

LEHIGH ALUMNI BULLETIN

APRIL
1927

GOHEEN

PAINT ENGINEERS*



R. No. 5 PAINT

GOHEEN'S OXIDIZED CARBON CEMENT R NO. 5 PAINT is outstandingly the greatest protective coating ever made. Use it on steel and all other surfaces subjected to Alkali, Acid Fumes and Gases. Will stand up under severe conditions, such as a 20% solution of Caustic Soda or Soda Ash. Also withstands the action of Sulphuric Acid, Hydrochloric Acid and other commercial acids. **Order a trial agitator drum today** and forget your paint worries.



Galvanum
FOR GALVANIZED IRON
TRADE MARK

GALVANUM is the one and only paint that can be satisfactorily applied directly to bare galvanized iron without the use of an acid wash, priming coat, or weathering—and stays on! Is used for both priming and finishing coat. GALVANUM Paint protects countless galvanized iron structures throughout the World, under the most trying conditions and will not crack, peel or flake off. Is equally successful on previously painted galvanized iron.

GALVANUM Paint can be applied by brush or spray. Coverage—approximately 600 square feet per gallon.

PAINT ENGINEERING SERVICE



Goheen "Paint Engineers" are trained paint experts who have gained their knowledge and experience in acting as "Paint Engineers" to the largest Industrials, Public Utilities and Railroads since 1888.

All these thirty-nine years of experience are at your disposal for solving paint protection problems to meet the individual case.

GOHEEN CORPORATION OF NEW JERSEY

PAINT ENGINEERS SINCE 1888

Newark, N.J.





MACHINE SHOP AND FOUNDRY
INDUSTRIAL WORKS, BAY CITY, MICH.

McClintic-Marshall Company

Manufacturers and Erectors of

STEEL BRIDGES, BUILDINGS AND OTHER STEEL STRUCTURES

GENERAL OFFICE
OLIVER BUILDING, PITTSBURGH, PA.

BRANCH OFFICES

NEW YORK
PHILADELPHIA
CHICAGO

BALTIMORE
BOSTON
CLEVELAND

CINCINNATI
DETROIT
LOS ANGELES

PLANTS

PITTSBURGH POTTSTOWN, PA. CHICAGO LOS ANGELES

C. D. MARSHALL, '88, President H. H. McCLINTIC, '88, Vice-President

R. W. KNIGHT, '94
G. R. ENSCOE, '96
C. M. DENISE, '98
T. L. CANNON, '03
E. F. GOHL, '07

F. U. KENNEDY, '07
R. MACMINN, '07
L. A. WALKER, '08
G. A. CAFFALL, '10
LESLIE ALLEN, '16

W. A. CANNON, '16
J. N. MARSHALL, '20
J. H. WAGNER, '20
G. L. GAISER, '22

THE DRAVO CONTRACTING COMPANY

PITTSBURGH

DIFFICULT FOUNDATIONS, RIVER and HARBOR IMPROVEMENT, BRIDGE PIERS and DAMS, MINING PLANT CONSTRUCTION, SHAFTS, SLOPES and TUNNELS

ASSOCIATED WITH THE COMPANY

F. R. DRAVO, '87

R. M. DRAVO, '89

J. D. BERG, '05

E. T. GOTTL, '06

L. C. ZOLLINGER, '09

V. B. EDWARDS, '12

GEORGE F. WOLFE, '14

E. M. ENSLIN, '22

F. J. LLOYD, '22

B. E. RHOADS, JR., '22

A. L. BAYLES, '25

JOSEPH B. WALKER, '25

DRAVO-DOYLE COMPANY

CLEVELAND

INDIANAPOLIS

PITTSBURGH

PHILADELPHIA

STEAM, ELECTRIC and HYDRAULIC EQUIPMENT, WATER WORKS INSTALLATIONS, COMPLETE POWER PLANTS

ASSOCIATED WITH THE COMPANY

F. R. DRAVO, '87

R. M. DRAVO, '89

S. P. FELIX, '03

J. D. BERG, '05

W. P. BERG, '15

E. W. ESTES, '20



ECONOMY BEGINS AT THE COAL PILE

Plants using coal cleaned by the PNEUMO-GRAVITY PROCESS, find that economy is effected from the start. This process eliminates entirely the old hand-picking operation, replacing it with a full mechanical operation which removes, with consistent uniformity, slate, bone and other impurities to a degree not heretofore practicable in commercial use. It uses no water—no excess freight charge results. The process handles anything from the finest slack up to three inch lump.

Try a car of PNEUMO-GRAVITY Cleaned Coal—and watch your cost curve drop.

PEALE, PEACOCK & KERR

One Broadway
New York

North American Bldg.
Philadelphia, Pa.

Operating Offices: St. Benedict, Pa., Cambria Co.

The Lehigh Coal and Navigation Company

437 CHESTNUT STREET
PHILADELPHIA, PA.

Miners of Old Company's Lehigh Coal Since 1820

SAMUEL D. WARRINER, '90, President

ANTHRACITE and BITUMINOUS

COAL

Alan C. Dodson, '00
T. M. Dodson, '00
G. H. Radford, '84

C. S. Kenney, '10
H. H. Tinges, '12
E. L. Walters, '20



GENERAL OFFICES,

BETHLEHEM, PA.

WHITE & BRO., INC.

Smelters and Refiners

RICHMOND AND HEDLEY STS.

PHILADELPHIA

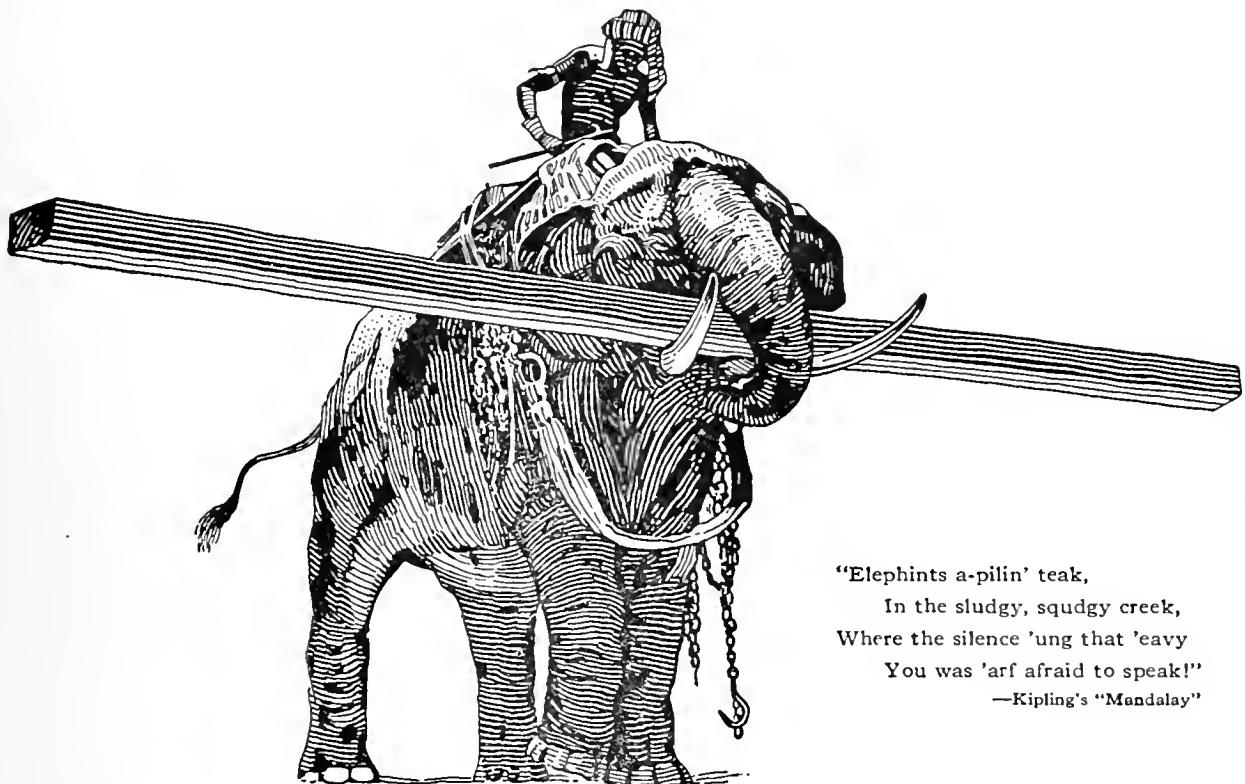
HARRY A. WHITE, '95

C. B. WHITE, '05

Roebling Wire Rope

JOHN A. ROEBLING'S SONS COMPANY
TRENTON, NEW JERSEY

New York Boston Chicago Philadelphia Pittsburgh
San Francisco Los Angeles Seattle Cleveland
Atlanta Portland, Ore.



"Elephants a-pilin' teak,
In the sludgy, squudgy creek,
Where the silence 'ung that 'eavy
You was 'arf afraid to speak!"
—Kipling's "Mandalay"

ELEPHANTS

The elephant is man's most intelligent helper. But—consider this interesting comparison:

An elephant is much larger than the electric motor of a "yarder" or logging machine. The "yarder" has the power of twenty elephants; it handles clusters of logs; it works dependably, twenty-four hours at a stretch, if necessary.

Twenty elephants would eat daily 10,000 pounds of green

food, which a corps of attendants must gather. A motor "eats" nothing but electricity, supplied at the throw of a switch.

So our own iron elephants are better; and the place for flesh-and-blood elephants is in the jungle or in museums. Some day the museums will also exhibit wash-tubs and old-fashioned irons, and all the other household and industrial tools whose work can be done by motors so much better and at so little cost.



Two million elephants could not do the work now being done by General Electric Company motors. Whatever the work to be done, whether it needs the power of an elephant or the force of a man's arm, there is a General Electric motor that will do it faithfully for a lifetime at a cost of a few cents an hour.

GENERAL ELECTRIC

OFFICIAL DIRECTORY ALUMNI ASSOCIATION LEHIGH UNIVERSITY, INC.

President: Cadwallader Evans, '01, Hudson Coal Co., Scranton, Pa.
 Vice-President: Edward G. Steinmetz, '95, Electric Storage Battery Co., Philadelphia.
 Vice-President: Morton Sultz, '12, A. T. & T. Co., 195 Broadway, New York City.
 Treasurer: Robert S. Taylor, '95, First National Bank, Bethlehem, Pa.
 Secretary: Walter R. Okeson, '95, Alumni Memorial Building, Bethlehem, Pa.

Asst. Secy. and Treas.: A. E. Buchanan, Jr., '18, Alumni Memorial Building, Bethlehem, Pa.
 Archivist: J. S. Long, '14, Lehigh University, Bethlehem, Pa.

HONORARY ALUMNI TRUSTEES

Taylor Allderdice, Frick Bldg., Pittsburgh, Pa.
 Aubrey Weymouth, 101 Park Avenue, New York City.
 A. C. Dodson, care of Weston Dodson Co., Bethlehem, Pa.
 H. D. Wilson, 1409 Union Bank Bldg., Pittsburgh, Pa.
 H. H. McClintic, McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa.
 Clarence W. Hudson, 15 Park Row, New York City.

ALUMNI MEMBERS ATHLETIC COMMITTEE

J. A. Frick, '03 (To June, 1927).
 Walter R. Okeson, '95 (To June, 1928).
 M. L. Jacobs, '10 (To June, 1929).
 D. M. Petty, '09 (To June, 1930).

JOINT ENDOWMENT COMMITTEE

E. G. Crace, Honorary Chairman.
 W. C. Dickerman, Executive Chairman.
 A. Weymouth, Vice-Chairman.
 H. S. Drinker.
 C. D. Marshall.
 F. R. Dravo.
 C. W. Hudson.
 F. Baker, Jr.
 H. D. Wilson.
 W. R. Okeson, Campaign Manager.

LEHIGH ALUMNI CLUBS

Chicago Lehigh Club

Pres., D. M. Flick, '11
 Sec., H. W. Kern, '92, 179 W. Washington St., Chicago, Ill.

Detroit Lehigh Club

Pres., S. P. Hess, '10
 V.-P., George Hain, '09
 Sec. and Treas., R. M. Neff, '14, Detroit Steel Products Co., Detroit, Mich.

Lehigh Club of Central Pa.

Sec., H. I. Tripp, '10, Camp Hill, Pa.

Lehigh Club of China

Pres., Yen Te Ching, '01, Peking, China

Lehigh Club of Cuba

Pres., Conradi E. Martinez, '01, Principe 27, Havana, Cuba

Lehigh Club of New England

Pres., L. A. Olney, '96
 Sec., A. D. Bach, '17, 39 Bemis St., New Haven, Mass.

Lehigh Club of Northern N. Y.

Pres., J. D. Alrich, '22
 Sec., F. C. Brockman, '15, 81 Robinson St., Schenectady, N. Y.

Lehigh Club of Northern Ohio

Pres., Martin Schmid, '07
 Sec., R. W. Kempfsmith, '11, 2008 Union Trust Bldg., Cleveland, Ohio

Lehigh Club of Southern New England

Pres., C. H. Veeder, '86
 Sec., J. W. Thurston, '96, 168 N. Quaker Lane, Hartford, Conn.

Lehigh Club of Western New York

Pres., C. Denlinger, '06
 1st V.-P., J. P. Kelly, '02
 2nd V.-P., L. Tremaine, '24
 Sec. and Treas., J. F. Rogers, 16 Clarendon Place, Buffalo, N. Y.

Lehigh Home Club

Pres., V. J. Pazzetti, '15
 V.-P., A. J. Standing, '10
 Sec.-Treas., J. Cullen Ganey, '20, E. P. Wilbur Trust Co. Bldg., Bethlehem, Pa.

Lehigh Club of N. Y., Inc.

Pres., G. K. Bishop, '17
 Sec., F. E. Portz, '17, 195 Broadway, New York City

Northeast Pa. Lehigh Club

Pres., E. A. Schweitzer, '07
 1st V.-P., Cadwallader Evans, '01
 2nd V.-P., H. D. Ginder, '19
 Asst. Sec., E. J. Garra, '25
 Sec. and Treas., G. H. Bingham, '10, Dunmore, Pa.

Lehigh University Club of Philadelphia
 Pres., E. G. Steinmetz, '95
 1st V.-P., N. E. Funk, '05
 2nd V.-P., C. F. Lincoln, '11
 Asst. Sec., J. J. Shipherd, '21
 Sec. and Treas., Moriz Bernstein, '96,
 2130 Estaugh St., Philadelphia, Pa.

Pittsburgh Lehigh Club

Pres., Frank B. Bell, '98
 V.-P., T. M. Girdler, '01
 Sec., Edward Stotz, Jr., '20, 601 Monongahela Bank Bldg., Pittsburgh, Pa.

Southern Anthracite Lehigh Club

Pres., J. H. Pierce, '10
 Sec., Ray B. Serfass, '09, 308 Schuylkill Trust Bldg., Pottsville, Pa.

Washington Lehigh Club

Pres., Asa Phillips, '90
 Sec., R. B. Swope, '10, Southern Oxygen Co., South Washington, Va.

Maryland Lehigh Club

Pres., W. Frank Roberts, '02
 Sec., A. J. Kutzleb, '13, Manhattan Rubber Mfg. Co., 208 W. Pratt St., Baltimore, Md.

Lehigh University Club of South Eastern Pennsylvania

Pres., E. A. Quier, '91
 Sec.-Treas., R. W. Kinsey, 723 N. 5th St., Reading, Pa.

Lehigh University Club of Trenton

Pres., J. H. Pennington, '97
 Sec., E. L. Robinson, '24, 2 S. Clinton Ave., Trenton, N. J.

ALUMNI FUND AGENTS

Year	Classes	Agent
1873		W. M. Scudder
1874		C. W. Haines
1875		E. H. Williams, Jr.
1876		W. L. Raeder
1877		H. S. Jacoby
1878		H. F. J. Porter
1879		F. W. Sargent
1880		J. T. Reese
1881		T. M. Eynon
1882		E. H. Lawall
1883		A. E. Forstall
1884		A. Parker-Smith
1885		H. O. Jones
1886		C. H. Veeder
1887		C. A. Buck
1888		H. H. McClintic
1889		C. W. Hudson
1890		H. A. Foerstall
1891		W. V. Foerstall
1892		H. H. Davis
1893		J. Taylor
1894		A. Weymouth
1895		R. S. Taylor

Year

Year	Agent
1896	J. deB. Amador
1897	J. H. Pennington
1898	L. S. Horner
1899	A. W. Klein
1900	E. A. Yellis
1901	E. T. Murphy
1902	A. A. Diefenderfer
1903	S. P. Felix
1904	R. P. Hutchinson
1905	W. H. Lesser
1906	S. J. Cort
1907	Raymond Walters
1908	G. R. Brothers
1909	S. R. Schealer
1910	M. L. Jacobs
1911	A. P. Spooner
1912	Morton Sultz
1913	R. T. Dynan
1914	W. A. Schremppel
1915	C. E. Siebecker
1916	E. J. Clement
1917	A. Bach
1918	A. E. Buchanan, Jr.
1919	H. D. Ginder
1920	Mercer Tate, Jr.
1921	L. Bevan
1922	S. Cottrell
1923	A. W. Hicks, Jr.
1924	J. F. Rogers
1925	A. L. Bayles
1926	Kenneth Hoffman

Clubs

Clubs
Washington Lehigh Club
R. B. Swope, '10
Southern Anthracite Lehigh Club
E. W. Walters, '12
Pittsburgh Lehigh Club
F. R. Dravo, '87; H. D. Wilson, '01
Lehigh University Club of Philadelphia
E. G. Steinmetz, '95; S. P. Felix, '03
Northeast Penna. Lehigh Club
G. H. Bligham, '10; H. H. Otto, '12
Lehigh Club of New York, Inc.
F. E. Galbraith, '11; G. K. Bishop, '17
Maryland Lehigh Club
G. A. Dornin, '96
Lehigh Home Club
V. J. Pazzetti, '13; Walter Schremppel, '14
Lehigh Club of Western N. Y.
H. W. Baldwin, '96
Lehigh Club of Southern New England
C. H. Veeder, '86
Lehigh Club of Northern Ohio
R. W. Kempfsmith, '11
Lehigh Club of Northern New York
John Anderson, '10
Lehigh Club of New England
L. A. Olney, '96
Lehigh Club of Central Penna.
J. W. Stair, '06, York
T. E. Wood, '98, Chambersburg
H. I. Tripp, '10, Harrisburg
H. H. Beck, '96, Lancaster
Detroit Lehigh Club
R. M. Neff, '14
Chicago Lehigh Club
L. G. Mudge, '15

LEHIGH ALUMNI BULLETIN

Published Monthly, October to July, inclusive, by the Alumni Association, Alumni Memorial Building, Bethlehem, Penna.

Printed by Times Publishing Co., Bethlehem, Pa.

Subscription Price, \$2.00 a Year

Member of Alumni Magazines Associated

Entered as second-class matter at Bethlehem, Penna., Post-office

WALTER R. OKESON, Editor

A. E. BUCHANAN, JR., Asst. Editor

VOLUME 14

APRIL, 1927

NUMBER 7

THE SHAKESPEARE FOLIOS

There has just been issued by the Institute of Research of Lehigh University a pamphlet describing the six Shakespeare Folios in the Lehigh Library. This monograph, written by Professor Robert M. Smith, Head of the Department of English, assisted by our Librarian, Heward S. Leach, is not only of great value to bibliographers and bibliophiles but of exceeding interest to all Lehigh men, few of whom realize the many treasures in rare books our Library contains. In the very years that men like Merriman, Williams, Klein, Doolittle, Frazier and Chandler were making the name of Lehigh University synonymous with Engineering, Dr. Chandler was devoting his spare time and genuine talents to creating of the Library a treasure house of English literature.

Many were the rare and valuable collections secured by his agents at auction sales in America, England, Germany and France, and from 1878 to 1893 the acquisitions included titles of outstanding importance in other fields than that of English literature. But it was in this field that his greatest acquisitions were made, including eighty English works printed before 1640. Three of the eighty volumes are original Shakespeare Folios, one copy of the First Folio of 1623 and two copies of the Second Folio of 1632. In addition, Lehigh possesses one copy of the Third Folio of 1664 and two copies of the Fourth Folio of 1685.

It is quite astonishing to discover that this young and rather small engineering school was securing books towards the end of the nineteenth century, through its own initiative, which great universities like Harvard and Yale did not obtain until twenty-five years later and then only through the gift of outsiders. Lehigh was the second college in America to acquire a First Folio, being preceded by Columbia University which secured a copy by gift in 1882, five years before Dr. Chandler bought ours at the auction of the private collection of George P. Byrne. Today there are only eight American colleges and universities whose libraries contain an original copy of this "greatest of all English printed books," namely: Columbia (1882), Lehigh (1887), Brown (1901), Yale (1911), Harvard (1913), Williams (1923), Texas (1926), California, Southern Branch (1927), and in every case except at Lehigh it came as a gift.

It is interesting to note that these six Folios, for which Dr. Chandler paid a total of \$2,119.50, are worth today about \$50,000.00 and in years to come will doubtless double in value. Dr. Chandler laid the foundation for one of the great libraries of the country and Judge Asa Packer, by his special library gift of half a million, provided generously for its future. But —the always inevitable *but*—the failure of the Lehigh Valley Railroad to pay dividends necessitated the use of this special endowment as general endowment. Had it not been for this the library's growth would not have been hampered and additions to the building could have been made out of income.

In spite of lack of adequate income we have the second largest college library in the State of Pennsylvania, being exceeded only by that of the University of Pennsylvania. Exceeded only in size, for their library lacks the treasures ours can show. For instance, they do not have even a Fourth Folio, which many colleges who own no other, such as Princeton, Michigan, Nebraska, Oregon and Rutgers, do possess.

These Shakespeare Folios are but an example of the broad and sound foundation laid for what today should have been one of the greatest college libraries in America. Well, it is not too late to repair the damage done by the financial shock of the nineties. Given an adequate building capable of housing at least 500,000 volumes, with reading and seminar rooms to take care of four hundred readers, headed by our present talented librarian, and we need have no fear of lack of acquisitions. Sooner or later some great private collection will be bequeathed to us and on our campus there will be not only the greatest college library in Pennsylvania but one of the distinguished libraries of the world.

* * *

PRESIDENT HOPKINS' PROPOSALS

The college world was somewhat startled when on March 21 the newspapers printed the radical proposals of President Ernest Martin Hopkins, Dartmouth, for the curtailing of the time and attention given to intercollegiate football. As President Hopkins has long been known as one of football's sincerest friends and an enthusiastic supporter of intercollegiate athletics his pronouncement cannot help but give pause to all who are interested in this greatest

of all games. It is not so much what he proposes as the fact that he considers radical action necessary that is of interest to those of us who love the game, and this includes a great majority of American college alumni. Why does he think such action required? Here is the answer in his own words.

"As one who delights in intercollegiate football, I am desirous of seeing its values preserved. As one who fears the present tendencies, I would like to see the game freed from the dangers which threaten it.

"I would like to see the virtues of intercollegiate football protected and its vices extirpated by friends of the game before its foes are given justification for demanding and accomplishing its death."

The italics are mine. There is the crux of the situation. The so-called friends of football seem determined to carry it on in such a way as to make the colleges themselves secondary in importance to the game. Scholarship, discipline, character building must not stand in the way of victories. It is all so absurd that once the real picture gets before the public the game will be made to suffer for evils that have been forced upon it but which are in no way essential attributes of football. As Dr. Hopkins says, "Sooner or later the question is going to arise among the American colleges with such insistence that it must be answered, whether the influence of the intercollegiate football game as an institution is greater than all else having to do with the American college."

If that question arises there can be but one answer. It has been answered by hundreds of Lehigh alumni this winter. Football players, team managers, enthusiastic lovers of the game have written me from all over America and even from foreign lands, and their message almost without exception condenses to this, "Lehigh first, football second." These men love victory as much as I do (and more than that cannot be said) but they are glad to sacrifice victory on the altar of Lehigh's best interests as a university. But these men are football fans. What would happen if football, unable to shake off the muck plastered upon it by chuckle-headed promoters, would have to face the bar with judges prejudiced against it? It would be 1905 over again with no "Teddy" Roosevelt to come to the rescue.

Entirely apart from the intrinsic value and workability of President Hopkins' proposals, on which I am not prepared to make any pronouncement, they are of importance first, because they emanate from a college president and second, because they propose to put football back where it belongs, namely in the hands of the undergraduates. And, gentlemen, the solution of the whole problem lies in just these two things. First make football an undergraduate activity pure and simple and second, hold the college presidents responsible for what happens in football just as they are held responsible for all other affairs of the campus.

That will sound axiomatic to some and like red-eyed radicalism to others, depending on environment, habit of thought and previous condition of servitude. But, believe me, it is the solution and the only solution. There is just one big boss on a college campus and only one, and that's the president. Like any other human activity or institution, the college can prosper and progress only under the supreme authority of a man wise in the business to be done, strong in his discipline, human in his handling of men. Neither colleges nor factories can be run by committees and will only be ruined if stockholders can tie the hands of the manager, upset his decrees, forstall his decisions.

There is no question but that football will continue to be a bone of contention until each college president recognizes his responsibility and by careful oversight eliminates whatever abuses exist in his own institution. He can, of course, do this the more readily if he acts in conjunction with the presidents of the colleges that are natural football rivals. In order that he be able to properly govern the game it must be merely a student activity and not promoted and run by and for the alumni or, as is sometimes the case, the local townspeople.

It sounds easy but it's a tremendous chore. You can't blame the college presidents for shrinking from it. Being human they will dodge the issue as long as possible. A few like President Richards, of Lehigh, and President Hopkins, of Dartmouth, are facing it squarely. I like Dr. Richards' plan best. It's a sure cure.

"As long as I am President of Lehigh I will tolerate no practices that cannot be advertised in our catalogue!"

* * *

LEHIGH When Yale and Lehigh were fighting it
vs. out for first place in the Wrestling Inter-
LEHIGH collegiates the final bout was the deciding
one. This bout to determine second place
in the heavyweight class was a thriller and so much
depended on its outcome that the big crowd in the
Palestra of the University of Pennsylvania were wild
with excitement. Blunt, of Yale, was by far the more
experienced wrestler and had just been nosed out of
the championship in an extra period bout by Patter-
son, of Syracuse. Littell, of Lehigh had only been
wrestling for a little over a month, having reported
the Monday before the Lafayette meet because our
coach, "Billy" Sheridan, found himself without a
single heavy man for this class. If Blunt threw
Littell, Yale would win. If Littell won from Blunt,
Lehigh would win. If Littell could stave off a fall and
hold Blunt to a decision the match would be a tie.

It was a crucial moment. Lehigh had fought her way up from a triple tie for third place, where she stood at the end of the first place bouts, to a one point lead. No greater battle was ever waged by a Lehigh

team. It was a supreme exhibition of that "Lehigh fight" we are all so proud of. Syracuse with 11 points, Yale with 9 points and Cornell, Pennsylvania and Lehigh tied at 6 points was the situation when the qualifying rounds for second place began. Now was the test of "Billy" Sheridan's teaching of "Never stall. Go after a fall!" Three Lehigh men in the qualifying bouts. Every one won. Every one won by a fall! This counted 3 points which we would not have scored had they merely won by decisions. Then came the second place bouts. Four more points were added before Littell's turn came and the score was Lehigh 13, with Yale, Cornell and Syracuse tied at 12 points. Was this tremendous battle against odds to be lost because of the well-known superiority of Blunt?

Yale against Lehigh! No. Lehigh against Lehigh, for this boy, Blunt, was the fruit of the loins of that great Lehigh captain and leader of the early nineties, the mighty "Billy" Blunt, '92. Fighting with every ounce of his strength, using all of his recently acquired skill, Littell managed to stay the limit and prevent a fall, thus for the first time in our history giving us first-place honors even though we had to share them with Yale.

And when out in Michigan "Billy" Blunt got the news, he turned to "Charley" Case, '92, the manager of the Lehigh team "Billy" captained and concisely remarked, "I'm darned glad the kid couldn't throw Littell."

But say, "Billy," we ought to have had that boy of yours at Lehigh.

* * *

"DICK" Talking of "Charley" Case reminds me of **DAVIS** his experiences while football manager with the famous Richard Harding Davis, '86. Davis, as you all know, won early recognition as a newspaper man and writer and by the end of the eighties was already a well-known man in New York. In the fall of '90 or '91 (I think the former) Lehigh was making a strenuous effort to be admitted to the Football League, which consisted of Yale, Princeton, Pennsylvania and Wesleyan. Case, as manager of the team, decided to enlist "Dick" Davis' help and a letter to him produced a favorable reply.

With his usual boyish love of mystery and posing Davis wrote Case in darkly veiled terms to meet him at a certain hour at a certain table at Delmonico's on the day the meeting of the League was to be held in New York. Everything would be mysteriously arranged by the influential newspaper man so that Case need have no fear as to the outcome.

Case, in youthful awe of this great man, timidly entered Delmonico's and found the potent personality at the designated table in the full sartorial regalia which "Dickie" loved. Spats, gloves, silk hat, cane (Davis fought for his right to carry one even when he was a Freshman) were all in evidence when they arose to go to the meeting. Before leaving the restaurant

Davis ordered a splendid champagne dinner to be served to the League delegates after the meeting to celebrate Lehigh's admission as a member. Case was duly impressed and decided that this mighty magician had worked his spells and all was over but the shouting.

The first gleam of doubt entered his mind when he discovered that Davis did not even know where the meeting was to be held. "Dickie," however, as was his wont, sprang into action when he found Case had been depending on him, the eminent New York newspaper man, for this data. "You run that way and I'll run this and stop at every hotel and ask if they are there." And off he went, silk hat and all, dashing madly up Broadway. (Telephones were evidently lacking in those days.) Finally they ran the meeting to earth in the Fifth Avenue Hotel. Davis left Case in an ante-room and went before the League Solons to present his case and invite them to dinner.

Alas! and Alack! In a few short minutes out came the impresario, face long, gloves limp and even the silk hat a shade less shiny. Gloomily he conducted the student manager to Delmonico's and countermanded the Lucullan repast. The League had turned us down!

In every respect this was Davis "all over." Ready to help, full of enthusiasm, planning mysteriously, executing with magnificent gesture, meeting mishap with sudden unexpected action, but depending entirely on himself and his ability to put things over single handed. Always the "Soldier of Fortune."

* * *

MUSTARD AND CHEESE Talking of Richard Harding Davis reminds me that he was one of the prime movers in the formation of Lehigh's dramatic society, the Mustard and Cheese Club. Forty odd years ago the Club was organized in the back room of "Charlie" Rennig's and its name came naturally from two of the ingredients of the free lunch "Charlie" served with his beer. When I was in College a dozen years later all of the business meetings of this Club were still held in this same back room and no thought to hold them elsewhere ever entered our heads. This tradition has long since vanished and "Charlie" has been gathered to his fathers. But, Mustard and Cheese goes marching on.

This year the show promises to be the best ever put on. Plot, lines, lyrics and music are all the work of the undergraduates. Under the direction of the famous Ned Wayburn the action and dancing is rapidly acquiring a professional smoothness. There is one "Black Bottom" chorus that is a peach and the boys threaten to challenge the chorus of "George White's Scandals" to a contest.

If you live in or near Philadelphia, York, Bethlehem or Allentown don't miss this production. If you don't then pester your local club officers to secure a date for your town for next year. If you want to advertise Lehigh in your locality you can't do better than to schedule a Mustard and Cheese production.

A PLEA FOR BROADER VISION

An Address at the Thirty-Third Annual Initiation and Banquet of the Yale Chapter of the Society of the Sigma Xi, March 26, 1927, by Bradley Stoughton, Professor of Metallurgy at Lehigh University

OUR civilization is in danger of losing itself in materiality. America has profited more than any other nation by materials and material forces. Our Society is the leading exponent in America of the spirit of research in materiality as well as in Science. The achievements of our colleagues and countrymen have been noteworthy; America has brought the world a long step forward in manufacturing, in transportation and in long-distance communication. We can justly and modestly be proud of our leadership in concrete evidences of material advancement. We have contributed generously to the wealth, the comfort, the luxury, the possibilities for entertainment, and the capacity for rich living or for self-indulgence of all mankind. Therefore, upon Americans, and more especially upon this Society and its members, rests the responsibility that goes with leadership. As we lead Mankind in materialism and *into* materiality, so we must lead it out of the perils which are inherently connected with materiality. We must conquer, and not be conquered by, materialism; we must be masters of materiality without being its servants, that is: materialists.

What, then, is a materialist? He is the man who searches the material realm with the expectation of finding there the source of wisdom. He is that one who dares to use only his five senses in the search for Truth. Ten thousand materialists had seen an apple fall before Newton discovered the law of gravity,—which was manifested in the event, but did not have its source there. The materialist mistakes the manifestation for the reality. He seeks *life* in chemical phenomena, and ascribes the origin of animal instincts to a repetition of accidental occurrences bred into a species by natural selection and then transmitted from generation to generation. The writer on Instinct in the Encyclopedia Britannica struggles to explain in this way the "homing" instinct in many animals who can find their way home over long distances by the most direct path, after being carried to a strange place over an intentionally devious route in a dark cage. Likewise, the marvellous discipline and organization of the bees, by which the individual is habitually sacrificed, and sacrifices himself, for the good of the species. He admits difficulty in believing his own explanation, and confesses defeat in trying to explain in the same manner the instincts and habits of "neuters," so different from anything existing in the males or females who alone could transmit characteristics. Equally difficult to explain is the instinct by which wasps made paper thousands of years before mankind learned the art, and that by which turtles can find their way to the nearest water by the shortest route. But still he labors in the orthodox ma-

terialistic way to avoid admitting that higher wisdom is manifested in created and evolving Nature, or can be communicated directly to it.

Far more convincing is the teaching that has come down through the ages: That beings low in the scale of evolution must receive direct guidance from higher wisdom, as did primitive man in lesser and lesser degree as he advanced in self-consciousness, and capacity to grasp truth, and *himself share in directing evolution*. With every forward step in mastering his environment, he gained self-dependence, but lost direct contact with the source of wisdom. This teaching does not contradict the principle of evolution; on the contrary, it

exalts it by saying that, as spirit involves into matter, it becomes the mission of man, as his share in directing evolution, to preserve spirit from submergence in matter and bring about its mastery.

There are materialists in science who accept only what comes from one or more of the three following sources: Either it is vouched for by some established authority and is therefore orthodox, or else it can be seen under a microscope or grasped by pincers. These are the "neuters" of science. They produce nothing; originate nothing and discover nothing. They deny everything that is beyond their field of physical vision until after it has been accepted by recognized science. They become so involved in the material realm that they can see nothing beyond it. To them the following words of Rudolph Steiner would be meaningless:

"The meaning of the Universe is revealed in the soul. This meaning is not to be found in what we see, hear and touch, but in what the soul brings up to the light from its own unknown depths."

Browning put these words into the mouth of Paracelsus:

But, friends,
Truth is within ourselves; it takes no rise
From outward things, whate'er you may believe.
There is an inmost centre in us all,
Where truth abides in fulness; and around,
Wall upon wall, the gross flesh hembs it in,
This perfect, clear perception—which is truth.

The men whose names are written largest in the records of scientific achievement and wisdom were men of deep spiritual faith. By this I do not mean to confine the idea to religion. Spiritual wisdom manifests itself in religion, in science, in poetry, in art, and perhaps in other ways. We cannot go through a whole catalogue of names to illustrate this point, but a few outstanding examples, distributed over a couple of thousands years, will serve our purpose: Socrates, Leonardo da Vinci, Paracelsus, Francis Bacon, Isaac Newton, Louis Pasteur. If we want to come nearer home, we have Ben-



BRADLEY STOUGHTON, PH.B., B.S.

jamin Franklin and that outstanding physieist whose address here at New Haven last year is still being read and talked about by scientists; I refer, of course, to R. A. Millikan. Not all these men were religious, but all sought wisdom in the spiritual, not in the material, realm. And all of them frankly avowed the possession of spiritual ideals and vision. Nor have I found any outstanding exception to this rule among the discoverers and scientists of first rank whose records were available to me.

Summing up his ideals of the way in which man may acquire knowledge, Socrates says:

"And he accomplishes this most perfectly who approaches everything as much as possible with the spirit."

The scientific investigator without vision could not grasp the significance of these words. If such an investigator hindered only his own development, we could afford to ignore him as completely as the future history of human progress undoubtedly will do, but he helps to drag all science down, and helps to endanger our civilization.

And why?

Just because science has contributed so abundantly to the material comforts of mankind, scientists must avoid prostituting their thought to the level of the material, lest they drag humanity with them. And there is another reason why scientists must not be materialists: Almost every branch of human activity has advanced with the progress of human evolution, but science has advanced more than any other. It has advanced far enough to revolutionize its nature and change the fundamental quality of its thought: One hundred and forty years ago experimental research graduated from a qualitative to a quantitative standard. Today we are in the very flower of this activity, so that the attention of the thinking world is focussed on the progress which science is making into the field of the unknown in materialism. Other departments of human thought have either improved their methods by adopting the discoveries of science, or else have been comparatively less progressive. Do not misunderstand me to say that human thought has not been advancing in all departments; I only wish to indicate that science has been traveling at the most rapid pace. But whither are we scientists leading mankind? Is it downward into mere comfort and indulgence and therefore into the material realm, or are we contributing, not indirectly but directly, to raising man's standards to

"Finer and diviner ends
Than man's mere thought e'er comprehends"?

Materialism is not a new menace; the problems of today have been with mankind since the beginning, in one form or another. But the lesson for us is that a civilization which is advancing as fast as ours is today must exterminate its enemies within or else be exterminated by them. And the scientist is the world's present hope against this particular enemy. Other civilizations have been swallowed up before. Evolution progresses in waves, with crests and troughs. No one knows what became of the technique of that early race whose drawings still decorate the interior of caves in France and Spain; nor the forgotten lore which gave ancient Egypt its glories and monuments of engineering skill; nor the civilization of the "cliff dwellers" of America. The Chinese had an advanced metal and alloy industry some 3000 years before Christ, and understood the art of making a mariner's compass

much earlier than 1000 B. C. This latter proves the possession on their part of no mean degree of technical knowledge in making and treating steel. And further, they antedated our technology in making paper, glass and printings from engraved wood; they used a seismograph for recording earthquakes too slight to be perceptible by human senses, a heart remedy similar to digitalis in its effect, and an anesthetic to render patients unconscious during surgical operations. No doubt, during each one of these crests of progress in the East, in Europe and in America, complaisant mankind comforted itself with the thought that *its* civilization was so firmly established that it could never be extinguished. The question for us now is, not whether science is offering the world larger opportunities for culture and the enjoyment of art and beauty than ever before, but how the spirit of man is responding to its benefits. Not whether there is now a more wide-spread enjoyment of beauty and culture, but whether the mental attitude of the majority of mankind is more spiritual and reverent, or more self-indulgent and material.

For it is the attitude of mind that shows where the real interest is. And, since we cannot see into the mind itself, what outward indications have we to show whether or not a mind is becoming less reverent and more engrossed in materialism. It seems to me that the outward symptoms manifest themselves in steps something like the following: flippancy, contempt for ideals, contempt for law, contempt for all authority, irreverence, license masquerading as freedom, pessimism, despondency, nervous affections, mental unbalance, suicide. The subtle danger of materialism is that its victims are not always the worst offenders in its ranks; and that its effects often do not appear for years, and perhaps for a generation or two. Irascible, choleric or unreverent teachers or parents may set in motion forces which have no apparent effect at once, but produce unhealthy men and women in later life; young people, too weak or too unformed to have firm standards of their own, become so affected by their environment that they lose their ideals or their balance and give way to despair. The apparent crime is theirs, but the responsibility belongs to all who helped to create the environment. If a child has contempt for the authority of its parents, the fault may be in the parents but the poison works, nevertheless, in the character of the child. Mentally, contempt is poison and reverence is inspiration and aspiration. Reverence is closely linked with science, first, because it has been the star which has led our greatest scientists to the birth of Truth, and, second, because the nearer we come to a knowledge of the truths of science, the more abundantly does reverence grow within us.

The attitude of mind, and therefore the influence, of men of science may be our present civilization's greatest menace; a menace if it leads men to glorify materialism for its own sake. On the other hand, if scientists are men of vision without being visionary, if they are men of ideals without being idealists, if they seek the source of wisdom in the higher, rather than in the lower realm, if they entertain no contempt for ideals which many of their fellow-men respect, if they are tolerant, reverent, spiritually-minded;—if this, my friends and colleagues, is our mental attitude, and by our life and thoughts we lead men so, then the influence and prestige of science may become the saving grace which will not only preserve, but develop, our present civilization to bless our children and our children's children.

A TRIP TO SOME PROMINENT ENGINEERING COLLEGES

President Richards, with the Architects and Members of the Mechanical and Electrical Engineering Staffs, Visits Many Universities in East and Middle West to Gather Data to Aid in Final Design of James Ward Packard Laboratory



NOTABLE step toward the preparation of final plans for the James Ward Packard Mechanical and Electrical Engineering Laboratory was taken during the past month when representatives of the Mechanical and Electrical Engineering Departments, with President Richards and the Architects for the building, visited the laboratories of some of the leading universities of the East and Middle West to crystallize their own ideas of how the ideal laboratory should be designed. The story of the trip, unique in personnel and in purpose, gives an insight to the careful planning that is paving the way for the creation of a model laboratory, the interest in the project throughout the educational world and the esteem in which Lehigh is held by her sister institutions as evidenced by their courteous hospitality and co-operation.

With our editorial propensity for glorifying the grotesque, we propose to use as the theme of this story the relation of the James Ward Packard Laboratory to a baked potato. It is not a riddle, but refers to an incident of the trip, the scene being laid in the dining room of one of the hotels chosen as a stopping-place by our distinguished delegation. Baked potatoes at thirty-five cents were on the menu and were ordered by two of the party. It so happened that the baked potatoes were about "all," as we say in Bethlehem, and although the waiter could serve only one of the pair ordered, the bill carried the item—"Baked Potatoes, 70 cents." Now Dr. Richards was acting as Chancellor of the Exchequer and had made sure that everyone in the party got everything he wanted for his comfort and convenience. But to pay for a baked potato he didn't get—not so you would notice it! The revised bill was reduced by 35 cents. And that's the end of the parable, which merely confirms our suspicion that when the million dollar Packard Laboratory is finished, it is likely to represent just about a million dollars' worth of laboratory.

The inspection party included President Richards, Professors Larkin and Stuart of the Mechanical Engineering Department, Professors Esty and Seyfert of Electrical Engineering, and the architects, "Speed" Visscher, '99, and "Jim" Burley, '94. The trip was divided into two parts, the first covering New England and the second the Middle West.

Leaving Bethlehem on February 13, the group spent the night in New Haven, and on Monday morning visited the Sheffield Scientific School, of Yale, where they were graciously received by Prof. S. W. Dudley, Head of Yale's Mechanical Engineering School, and Prof. Charles F. Scott, Head of the Department of Electrical Engineering. During their inspection of the Mason Mechanical Laboratory and the Dunham Electrical Engineering Building, our plans for the Packard Lab were outlined and the Yale experts offered valuable advice and comments. Prof. Dudley has since forwarded plans and specifications used for the Mason Laboratory which have been very useful. At luncheon, the Lehigh visitors were entertained at the University Club by

President Angell, of Yale, and a group of his staff and faculty.

Boston was the next stop, with the impressive Massachusetts Institute of Technology engineering laboratories as the first objective on the morning of February 15. After a general survey of the laboratories, the party divided, the Mechanicals under the guidance of Prof. Miller and the Electricals with Prof. D. C. Jackson, studying in more detail the points of specialized interest. Major Albert S. Smith, Superintendent of Buildings and Power at the Institute, was also most courteous in supplying valuable suggestions. A pleasant feature of the visit to the Institute was the informal reunion with Professors W. S. (Benny) Franklin and L. B. Chapman, former heads of the Departments of Physics and Marine Engineering at Lehigh. Again, a luncheon had been arranged for the visitors by President S. W. Stratton and the Heads of Departments at the Institute which was thoroughly enjoyed. That evening the Lehigh Club of New England entertained at the new University Club, a group of thirty (including the ladies, for it was a co-ed affair) enjoying a chummy session wherein everyone had a chance to talk Lehigh. Strangely enough, the Boston alumni of the University of Nebraska were meeting simultaneously, and of course, when they spotted Dr. Richards, they spirited him off to their meeting for a while, for the Nebraska Mechanical Laboratory is a monument to his regime there.

Next day, fair Harvard, and the splendid new buildings of the George F. Baker graduate school of Business Administration there, were the big attractions for Architect Visscher and Dr. Richards, while Professors Larkin and Stuart were inspecting the mechanical laboratories under the courteous guidance of Professor Marks. Meanwhile the Electrical delegation slipped over to Worcester to look over the Polytechnic Institute's finely equipped laboratories. And Prof. Stuart found time, while in Boston, to drop in at Wentworth Institute, to survey the equipment of this first class trade-school which does such excellent work in its field.

Thence to Albany and Troy, with all day of February 18 at Rensselaer Polytechnic Institute, enjoying the hospitality of President Ricketts and Professors Robb, Fessenden and Lawson. There was a lot to be seen at R. P. I., whose building program is a step ahead of Lehigh's with their fine new library and auditorium and the new dormitories, built in units houses such as we dream may one day beautify the ravine back of Price Hall, the old brewery, although President Ricketts warned us that such dormitories will cost about \$4,000 per occupant. A delightful luncheon at the Troy Club gave our travellers opportunity to get personally acquainted with their hosts, Dr. Ricketts and his staff.

The return trip to Bethlehem gave Prof. Stuart a chance to drop in at the General Electric Company's wonderful laboratories. Even a professor or a college president is apt to find his desk piled high after a week's absence, so a week on the job was a welcome interlude before the start of the western trip.

Cornell was the first visit on the second tour, most of the day of February 28 being devoted to a survey of the laboratories "far above Cayuga's water," and an inspiring visit with Dean Dexter S. Kimball, Prof. Lincoln, of Electrical Engineering, and others of the Sibley School staff. In addition to inspecting the mechanical and electrical laboratories, the group was privileged to see the splendid new George F. Baker Chemical Laboratory and to be entertained at luncheon in Willard Straight Hall.

Late that afternoon the party entrained for Buffalo, where to their pleased surprise Freddy Rogers, '24, Secretary of the Lehigh Club of Western New York, was waiting at the station to drive them to the Hotel Statler where a meeting of the Club was in progress. It was an unusually spirited gathering and the discussion precipitated by Dr. Richards' talk on current affairs of the campus, lasted late into the night.

At Detroit, next day, another reception committee was on hand, headed this time by L. A. Wright, '15, with Packards to transport everybody to the Packard plant, where the President of the Packard Company, Alvan Macauley, '92, received them in his office for a nice chat before he conducted them through the plant. Most interesting and informative was this glimpse of modern methods in the production of a fine motor car, even our mechanical engineers being surprised at the extent to which mass production methods have been applied to make possible a schedule of 130 Packards a day. Macauley is much interested in the proposal of placing the first Packard car on permanent display in the lobby of the new Packard Laboratory. If this should not be possible he proposes to supply a faithful replica for the purpose. The Packard engineers are particularly interested in the plans for our internal combustion laboratory and volunteered their active co-operation in its design.

That evening the travellers were the guests of honor at the meeting of the Detroit Lehigh Club at the Wolverine Hotel, reported in detail elsewhere in this issue.

Ann Arbor, and the University of Michigan was the fare for March 1. Dean Mortimer E. Cooley was the host par excellence, conducting his guests through the new East Laboratory of Engineering, and entertaining them at Michigan Union for luncheon and dinner. The new Michigan laboratory is primarily devoted to Chemical Engineering, although it contains splendid shops and other features which will be incorporated in the Packard Laboratory. That evening the party divided, some visiting Dean Cooley's home to see his marvelous collection of Oriental Rugs and others—well, to be strictly accurate, we believe they went to see Harold Lloyd in "The Kid Brother."

Stepping off the train at Chicago on March 2, the party was greeted by S. E. Lambert, '89, and D. M. Flick, '11, representing the Chicago Lehigh Club, and provided with autos to take them to the Union League where Lambert had arranged guest accommodations. These comfortable quarters added much to the pleasure of the stay in Chicago. There was time for a ride around Chicago, which included a look at the University of Chicago and Northwestern, before returning to the meeting of the Chicago Lehigh Club, attended by some forty alumni. Professors Esty and Seyfert and Architect Burley regrettably missed the Chicago Club's meeting in order to take a side trip to Minneapolis to inspect the new Electrical Engineering Laboratory at the University of Minnesota. They were well repaid, however, by seeing here the finest electrical laboratory

visited on the whole trip. Meantime, the mechanical delegation slipped over to Evanston to inspect the laboratory of Northwestern University and to be entertained by Dean Bauer at a pleasant luncheon.

The weather throughout the trip was pleasant and springlike, which added to the visitors' appreciation of the beautiful University of Wisconsin campus at Madison. They were met by Dean Turneaure, of the Engineering School, who graciously devoted the day to a tour of inspection of the Wisconsin facilities.

It was at Urbana that the party encountered its most triumphant reception, for it seemed as though the whole University of Illinois staff was on hand at the station. There was President Kinley, Dean Ketcham, of engineering, Professors Willard, Goodenough, Lentweiler and many others who seized the opportunity of staging a triumphal home-coming in honor of Dr. Richards. Automobiles were provided for a tour of the University and the towns of Urbana and Champaign. Toward evening, it was found that President Kinley and his staff had arranged a dinner at the University Club for the visitors. The next morning, the distinguished reception committee was again on hand with ears to conduct the party through the mechanical and engineering laboratories of Illinois, the former also a monument to Dr. Richards' administration as Dean of the Engineering College. Luncheon served at the University Club proved to be a formal welcome to Dr. Richards by Dean Ketcham and the entire staff of the Illinois faculty. Every department head had a few words of affectionate welcome for our President, who responded with obviously heartfelt appreciation. In the afternoon, there were more visits to the laboratories although, according to Professor Larkin, search as he might for a speck of dust or some little thing out of place in the mechanical laboratory, he could not find it. Everything was shined up like a newly minted half-dollar. In the evening the visitors were entertained at dinner at the University Club by Professor Willard, head of the Department of Mechanical Engineering at Illinois, and a group of the mechanical and electrical staffs. Professor Willard then invited the visitors to his home for a visit after which, late in the evening, they returned to the mechanical engineering laboratory to see the effective lighting facilities.

In the morning, there was time for a final look around the laboratories before catching the train for Lafayette, Ind., home of Purdue. At this point, however, the single deviation from the itinerary occurred, for instead of taking the train the party accepted the gracious invitation of Prof. Lentweiler and Dean Thompson, of the College of Commerce and Business Administration, to drive them to Lafayette. It was a pleasant and interesting ride through the corn belt, with a noteworthy stop at Danville, Ill., for lunch at a Chinese Chop Suey establishment. Fortunately, half the party ordered an American dinner so that those who took chop suey didn't go hungry.

At Lafayette, Dean A. A. Potter, of the Engineering School of Purdue, which, by the way, is Dr. Richards' Alma Mater, was on hand with members of his staff to receive the party. Much interest was aroused by the inspection of Purdue's new electrical engineering laboratory and by the very extensive co-operative research work that Purdue is doing in connection with the American Railway Association. Here were elaborate experimental installations for the testing of locomotives, air brake equipment, draft gear, etc. That

(Continued on page 35)

"PLEASE EXPLAIN"

AT THE Mid-winter Alumni Meeting one of the younger alumni rose to say, "We younger fellows don't quite understand the difference between subscriptions to Endowment and subscriptions to the Alumni Fund. I wish you would, for our benefit, explain exactly what the Lehigh University Alumni Fund is and how it works and what the part of each alumnus is in the picture."

All right! Here goes. The Endowment subscriptions made in 1923 had a four-year payment period. This period expires on December 31, 1927. We have not asked the Classes of '25 and '26 to subscribe to Endowment as we hope to eliminate entirely all pledges for fixed amounts and trust we may never again find it necessary to put on an intensive drive for funds.

The Alumni Fund is intended to replace all such drives. It furnishes a means for all alumni desirous of doing something for Lehigh to put this desire into action with the least possible expenditure of effort. It is simple in the extreme. Perhaps that is the reason people have trouble understanding it. They are looking for a complexity which does not exist.

FIRST—To become a subscriber to the Alumni Fund you simply indicate that you HOPE to do something for Lehigh each year. That something may vary as you desire or your circumstances vary. Lehigh will not ask you for any more than you choose to give and no matter how much you increase or decrease your gift from year to year it neither pays in advance nor leaves any balance unpaid.

SECOND—In order that there may be no other solicitation a first charge against your yearly gift, unless you specify otherwise, is your Alumni dues, BULLETIN subscription and Class dues. This last named is to cover such items as your Class guarantees which insures the BULLETIN being mailed to all the men on your official Class list, expenses for class activity between reunions and general reunion expenses. Instead of these items being collected by a special solicitation they are taken care of from the Class dues.

THIRD—The balance, whatever it may be, is disposed of by the Board of Trustees of Lehigh University in such manner as will best serve the interests of the

University. Last year it was sufficient to pay all the expense of relining the swimming pool and putting in a modern system of purification for the water. In consequence the boys now have a beautiful and sanitary pool. Ordinarily it will be used to meet such current needs, but if it grows large enough there may come a time when part or all of it will be placed by the Trustees in our permanent Endowment Funds.

FOURTH—This general plan does not preclude any alumnus from ear-marking his annual gift for some special purpose as long as such purpose is a part of Lehigh's program. For instance, he can ask that his gift go into Endowment rather than be used for income or like Packard he can give for the creation of a needed building.

I have read this over and it seems quite clear and simple. Yet, in spite of outlining it in similar terms again and again, it fails to penetrate the consciousness of a number of our alumni. That is evidenced by the fact that many write in that they desire to give something to Lehigh each year but it is against their principles to sign a pledge. *We don't want any pledges.* That is just what we are trying to get away from. A free will offering once a year just as you yearly support your church, your lodge, your club, your local hospital, or any other organization you are interested in. With this difference—the slate is wiped clean each June whether you have given or not.

With this clearly in mind we would like to ask those who have already sent sufficient to cover Alumni dues, BULLETIN subscription and Class dues if they do not also want to be represented in that part of the fund that is used for general University purposes. The ones who have made an endowment payment this year are so represented. But how about the others? They simply paid dues, etc., in the usual perfunctory way without troubling to read or understand the outline of the Alumni Fund printed in their dues statement. If they had understood they would have added five or ten or fifty or a hundred dollars and thus helped to swell our gift to Lehigh this June.

Is it clear? Do you get it? You do? Fine! One more question. Does Lehigh get it?

OUR GOAL:

3000 subscribers—\$105,000 a year.

Average subscription—\$35.

\$9000 yearly for Alumni Association.

\$7000 yearly for ALUMNI BULLETIN (includes Class guarantees).

\$4000 yearly for Classes (after guarantees are deducted).

\$85,000 yearly increase in Income for University.

THE REASONS:

The Alumni Association is doing important work for Lehigh.

The BULLETIN is the best publicity medium Lehigh has.

The greatest work for Lehigh is done by the classes in getting the alumni back to the campus.

We were shy \$1,700,000 in our Endowment Campaign. \$85,000 is the interest at 5% on \$1,700,000. 'Nuff said!

Alumni Payments from June 1, 1926, to March 15, 1927

Class	SCALE				Number of Members With Addresses	Number of Members Who Have Made Payments to Lehigh Since June 1, 1926	Percentage	Amount Paid To Date
	0	25%	50%	75%				
1926					216	73	34%	\$ (696.00)
1925					242	71	29%	(841.00)
1924					254	88	35%	(1,444.50)
1923					256	98	38%	(1,253.75)
1922					226	85	37%	(1,621.59)
1921					179	63	35%	(1,042.58)
1920					186	65	35%	(1,511.00)
1919					145	50	35%	(854.50)
1918					140	58	41%	(1,065.39)
1917					168	63	38%	(1,005.94)
1916					147	54	37%	(918.75)
1915					124	41	33%	(817.50)
1914					127	52	41%	(1,430.00)
1913					145	46	32%	(1,139.00)
1912					134	42	31%	(1,727.00)
1911					125	35	28%	(939.00)
1910					170	59	35%	(2,983.50)
1909					146	52	36%	(2,122.75)
1908					150	58	39%	(1,723.00)
1907					128	60	47%	(2,063.25)
1906					119	56	47%	(3,937.25)
1905					112	47	42%	(1,915.00)
1904					95	55	58%	(3,914.25)
1903					90	51	57%	(3,441.75)
1902					53	25	47%	(3,974.00)
1901					60	32	53%	(5,186.25)
1900					61	21	34%	(5,325.00)
1899					46	24	52%	(3,531.50)
1898					63	31	49%	(1,502.00)
1897					71	41	58%	(2,838.00)
1896					98	49	50%	(10,979.31)
1895					100	74	74%	(9,940.85)
1894					62	40	65%	(4,676.00)
1893					77	40	52%	(1,991.00)
1892					42	27	64%	(1,892.25)
1891					43	30	67%	(625.00)
1890					61	36	59%	(4,185.00)
1889					52	33	63%	(25,900.00)
1888					57	31	54%	(51,258.00)
1887					42	24	57%	(7,939.00)
1886					35	19	54%	(2,473.52)
1885					21	15	71%	(260.00)
1884					14	10	71%	(497.50)
1883					23	16	70%	(3,419.50)
1882					7	5	71%	(382.00)
1881					4	3	75%	(111.00)
1880					7	2	29%	(16.00)
1879					5	3	60%	(121.00)
1878					9	7	78%	(232.00)
1877					7	4	57%	(150.00)
1876					8	3	38%	(19.00)
1875					8	4	50%	(64.00)
1874					2	2	100%	(159.00)
1873					3	1	33%	(9.00)
1872					4
1871					2	1	50%	(7.00)
					Total	4971	2075	42% (\$190,083.93)

* This total comprises payments to the various funds as follows: \$165,747.15, Endowment Fund; \$843.75, Alumni Memorial Fund; \$23,493.03, Alumni Fund divided as follows:—Alumni Dues, \$7,028.52; BULLETIN Subscriptions, \$3,682.00; Class Dues, \$3,480.50; Income Account, \$9,302.01.

Some classes, as for instance '71, '73 and '75, have large paid-up endowment contributions which give Lehigh a big annual income.

News of the Lehigh Alumni Clubs

Philadelphia Club Honors Bob Farnham, '99

To be honest about it, we weren't there and haven't been able to get a regular report on the meeting, but we hear that it was a good one, with a hundred and ten men on hand to show Bob Farnham how proud Lehigh is of him. To be Chief Engineer of the Pennsylvania Railroad is distinction enough, but to take the job with the relocation and construction of a new terminal and main office staring you in the face seems to indicate that the Pennsy thinks as well of Bob as do his Lehigh friends. To make up for the sketchy report of the meeting we're giving you Bob's latest photograph.



ROBERT H. FARNHAM, '99,

Chief Engineer, P. R. R., who is in charge of the extensive improvements of the Pennsy's terminal and offices in Philadelphia.

The dinner was given in the Manufacturer's Club on March 25. A number of members who couldn't make the dinner dropped in afterward to hear Farnham's description of the extensive alterations and improvements the P. R. R. has under way in Philadelphia. His talk was illustrated with stereopticon views. There was great interest in the details of the talk and numerous questions.

Plans for "putting across" the Mustard and Cheese performance which will be given in the Penn Athletic Club, Philadelphia, on April 20, under the auspices of the Club, were also discussed. A dance will follow the performance. This is expected to be the peak of social activity of the Philadelphia Club.

Pittsburgh Lehigh Club Holds Its Annual Dinner at Duquesne Club

When the weather beaten wayfarers playing the "College Circuit" blew into Pittsburgh on March 11th, they found a gang of one hundred and fifty "Lehighers" (or, as we say in New York "Lehii") awaiting them at the Duquesne Club. The leading man, Dr. Charles Russ Richards, had for his support Professors Larkin and Stuart of the Mechanical Department, Professors Esty and Seyfert of the Electrical Department, Architect "Jim" Burley, '94, and the booking agent, "Okey." In order to round out the performance and relieve somewhat the tired troupe, local performers were impressed into service. Vice-President Tom Girdler, '01, acted as stage manager in the absence of President Frank Bell, '98, the irrepressible George Neilson, '85, went on as interlocutor, and the far-famed Stotz brothers, Charles and Ed, of Cornell and Lehigh, put on a brother act. Charley told funny stories and Ed aided "Okey" with the sob-stuff.

It was a most enthusiastic audience and quite capable of entertaining themselves. They pulled off one of the best bread fights I have seen since the Commons was closed. The stage manager after a hasty conference as to who should go on first in order to quiet the gang, decided to throw "Okey" to the lions. He managed to pull through without getting the hook but it was a close call. The audience, however, was aroused from self-contemplation by the mention of Packard's gift and the hit of the evening was the following resolution which was passed amid cheers.

The Pittsburgh Lehigh Club, in Annual Banquet assembled this eleventh day of March, nineteen hundred twenty-seven, sends greetings and deep appreciation to our fellow Alumnus,

James Ward Packard, '84,

for his munificent gift to our Alma Mater of the James Ward Packard Mechanical and Electrical Laboratory, expressing at the same time sincere regret for his absence on this occasion.

May fullness of health and happiness be his is our fondest hope.

T. M. Girdler,
Vice-President.

Edward Stotz, Jr.,
Secretary.

Dr. Richards in his speech told of the trip of inspection of various college laboratories that was just being completed and talked earnestly of the work that was being done at Lehigh. His concluding sentences were ones that it would be well for each of us to grave on his memory.

"Lehigh University does not exist for my benefit or yours. It is a public

trust and should be so directed as to serve the best interests of the prospective future student bodies."

"Our job is to see that Lehigh never gets on a dead centre!"

A perfect creed for Lehigh men is contained in those three sentences. The first covers the proper attitude of mind in which we should approach our work for Lehigh. The second sets up the real objective of this work. The third gives warning of what may be expected if we fail to make our work continuous.

After Doctor Richards' talk we had short addresses from the faculty members present and one also by the architect. In addition, the Stotz brothers and Tom Girdler gave us enjoyable talks. In each case "Nelly" Neilson took occasion in his introduction to properly puncture any feeling of importance the coming speaker might have. When each got on his feet he must have felt like John Burroughs in the story with which Tom Girdler wound up this highly enjoyable evening.

According to Tom, during Burrough's lifetime he was travelling in a motor car with Messrs. Ford, Edison and Firestone. One of the headlights gave out and Mr. Ford had the car stopped at a small road side Ford agency and went in to procure a new bulb. He announced himself as Mr. Ford to the incredulous dealer and asked what kind of bulbs he carried. The dealer responded "Edison." "That's good," said Mr. Ford, "I have Mr. Edison with me. Oh, by the way, I need a spare tire. What make do you carry?" The answer was "Firestone." "That's fine! Mr. Firestone is with me also." He paid no attention to the suspicious glances of the dealer but led the way to the car. Just as they arrived at its side Burrough's thrust out his head and as the dealer caught sight of his long beard he shouted "If you tell me you are Santa Claus I'll crown you with this wrench."

"Nelly" took no chances. He crowned us each with a verbal wrench before we started.

Meeting of the New England Lehigh Club

Dr. Richards and his gang carried us off our feet. Instead of a group of dignified pedagogues and mossbacks, we found that every last man of the inspection party was a real go-getter with an honest to goodness sense of humor. Of course we knew Dr. Richards and the group that accompanied him, heard them talk, read their books and all that, but never before have we been as close and as informal as on the occasion of the recent dinner held in honor of James Ward Packard, the donor of Lehigh's million dollar laboratory.

To begin with, the dinner was held at Boston's new University Club and we departed from the usual, by inviting friend wife. It worked out very well and acted as an added attraction, for, when you tired of the speaker or your own wife on your right, there was always some one else's wife on your left. Perhaps this accounted for the good time Dr. Richards and his associates said they had, this, however, is not for publication nor is it to be used against them.

At the last moment the writer had to pinch-hit for President Olney, who was to act as toastmaster, and in spite of the extemporaneous introductions our guests responded nobly. When the toastmaster remarked, in introducing President Richards, that one of our members had refused to come to the dinner because, "If that man Richards can get a million dollars by mail, what will he do in a personal interview?" President Richards said he was non-plussed after that and at a loss for words, but none of us could agree with that, as he held us spellbound with the wonderful pictures he drew of the ultimate Greater Lehigh.

Following President Richards' talk, each member of his party contributed to the success of the evening with amusing stories and interesting reminiscences as well as tactful and complimentary remarks intended (we think) for the ladies.

A. D. BACH,
Secretary.

Lehigh University Club of South-East Pennsylvania Organized in Reading, Pa.

For years we have hoped for a club in the territory in and around Reading and that our desire in this matter was warmly seconded by the alumni of this section was proved by the splendid turnout for the first regular meeting of the new club held on March 9, 1927, at the University Club in Reading. Men drove for distances of from twenty to sixty miles to attend this meeting and it was especially featured by the largest percentage of young alumni I have ever seen at an alumni function. In addition to Berks County alumni there were alumni from Lancaster County and Upper Montgomery County. It was an enthusiastic gathering and this club promises to be one of our most active Lehigh organizations.

Naturally, the club is built around those Lehigh stand-bys, Ed. Quier, '91, George Beggs, '95, and Charlie Sanders, '97, ably assisted by Ralph Kinsey, '07, and Paul Ancona, '17. The officers of the club are as follows: President, Edwin A. Quier, '91; Vice-President, George Beggs, '95; Secretary, Ralph W. Kinsey, '07, and Treasurer, Paul J. Ancona, '17.

At this meeting the following committees were authorized: By-Laws, Hustling, and Entertainment. Dues were fixed at \$2.00 a year and Sanders

paid \$5 for the privilege of being the first to pay his dues.

The guests of the evening were Walter Okeson, Alumni Secretary, and four undergraduates who he brought with him from Lehigh. These boys were all members of the Mustard and Cheese Dramatic Organization. Scarlett, '27, and Ketterer, '27, represented the business management as the Mustard and Cheese is desirous of putting on a show in Reading. Baker, '29, and White, '30, came along to help entertain the alumni and their piano and saxophone duets gave their hearers a taste of the new music from this year's show.

Speeches by the President, Vice-President and Secretary supplemented by a gossipy talk about campus activities by "Okey" concluded the serious part of the meeting. Then everyone adjourned to the basement where a Dutch lunch such as is only obtainable in Reading was served. This sentence alone should double the attendance at the next meeting.

Detroit Lehigh Club Hears Latest Campus News

The Detroit Lehigh Club took advantage of the visit of Dr. Richards and party to stage a meeting on the evening of March 1. It was a small but enthusiastic crowd. Besides Dr. Richards, Professors Larkin, Stuart, Esty, Seyfert and J. L. Burley, '94, there were 17 Detroit Lehigh men on hand. The chairman of the dinner was Noble C. Banks, '93, who handled the speakers in his own inimitable manner. First of all, a resolution was passed by the club in appreciation of Mr. Packard's gift, the text of which is given below. Dr. Richards spoke on recent changes in the University, both in appearance, curriculum and operation. His talk was most interesting to all the boys, especially those who have not been privileged to visit the Campus in the last few years. Following the President's outline, Professors Larkin and Esty added a few side lights, which were timely and well received. The two charming young ladies who entertained just after the dinner received a good share of the attention of all the boys present, not excluding the guests. ("Better not print this," says Russ Neff, in his diplomatic report.)

The whole repertoire of Lehigh songs and a good many popular songs were sung. Those present were Woodruff, '88; Reid, '96; Hutchinson, '02; Lacy, '05; Heilman, '10; Hendricks, '11; Neff, '14; Wright, '15; Banks, '93; Smith, '02; Caton, '02; Walker, '08; Hess, '10; H. E. Johnson, '13; Church, '14; Bull, '19; Manley, '19.

RESOLUTION

WHEREAS, The development of the educational facilities of Lehigh University is a matter of the deepest interest to every Lehigh alumnus, and

WHEREAS, The Detroit Lehigh Club is most grateful for the recent magnificent

gift of James Ward Packer, Class of 1884, to the University, whereby its equipment for engineering instruction will be highly perfected:

Now, Therefore, Be it Resolved. That the Detroit Lehigh Club convey to Mr. Packard its most sincere appreciation of his generous and opportune remembrance of Lehigh University, and

Be it Further Resolved. That copies of this resolution be sent to Mr. Packard and to the President of the University.

DETROIT LEHIGH CLUB.

President, S. P. Hess, '10.
Vice-President, G. W. Hain, '09.
Sec'y-Treas., R. M. Neff, '14.

Chicago Lehigh Club Entertains Campus Rovers

Lambert's letters are always good. This one, reporting the latest meeting of the Chicago Lehigh Club, is no exception. Therefore, we shall let the unexpurgated reproduction speak for itself.

March 4, 1927.

My dear Okey:

Our meeting last night was only a partial success, because there were two places at the table you should have occupied.

Flick and I met Dr. Richards and the other boys and parked those who remained over night at the Union League Club. We had thirty-two at the meeting and a surprisingly large number of younger men. More and more of the older men are joining the Carpet Slipper Brigade and are staying home with mother.

Enclosed is a copy of the resolution adopted re the Packard gift. Am suggesting that a copy of the resolution be engraved (so they look like a million bucks) and mailed to Mr. Packard.

Am leaving for California tomorrow night (at least I hope so) and will practice up a bit on a game of golf. Have you any small shiny dimes left?

Sincerely yours,

S. E. LAMBERT, '89.

WHEREAS, JAMES WARD PACKARD, of the Class of 1884, as a result of his practical experience and knowledge as an Engineer, realized that the facilities and equipment available to the students in the Electrical and Mechanical Engineering Courses at LEHIGH were meagre and wholly inadequate for the proper training of engineers in these respective branches of engineering, and prompted by an impulse of generous service, set out to furnish for their use and benefit more adequate facilities and equipment, and as a means to this end agreed to contribute \$1,000,000 to Lehigh University;

Now, Therefore, Be it Resolved, By the Chicago Lehigh Club at a meeting duly held in Chicago, Illinois, March 3, 1927:

(1) That all Chicago Lehigh Men do hereby extend to JAMES WARD PACKARD their appreciation for his generous gift to Lehigh;

(2) That the ability and the interest on the part of Mr. Packard to make this donation to our ALMA MATER bespeaks application to work, ability and integrity on the part of the donor and exemplifies a commendable willingness on his part to give of his fruits of his labor that countless others may benefit; and,

(3) That the building that comes into being from the use and proceeds of this gift shall stand upon the College Campus as a monument to the donor and to the admirable personal qualities that prompted him to make this GIFT.

(4) That a copy of these resolutions be sent to JAMES WARD PACKARD as an assurance to him that the CHICAGO LEHIGH CLUB greatly appreciates his splendid gift to our ALMA MATER.

Bach Festival to be Held May 13 and 14 at Lehigh

The annual Bach Festival will be held in Packer Memorial Chapel on May 13 and 14, under the direction of Dr. J. Fred. Wolle. The general sale of Course tickets opened March 21, the prices being \$6.00, \$8.00, \$12.00 and \$16.00, depending on the location of the seats. Orders for tickets, accompanied by remittance, should be addressed to H. J. Schneller, 304 Wilbur Trust Building, Bethlehem, Pa.

Musical Clubs to Perform in East Orange and Newark

The combined Musical Clubs are scheduled to appear in the Woman's Club, East Orange, N. J., on May 6, and in the Mosque Theatre, Newark, N. J., on May 7. The East Orange concert is being promoted by J. J. Unkles, '25. The Newark performance is to be run under the auspices of a local sorority.

Included in the Combined Clubs are the Glee Club, Mandolin Symphony, and an excellent dance orchestra.

Lehigh and Tau Beta Pi

The March issue (Part 2) of the "Proceedings" of the American Society of Civil Engineers printed an item on Tau Beta Pi, from which the following extracts of interest to Lehigh men are taken:

In 1885, Professor E. H. Williams, Jr., then head of the Mining Department at Lehigh University, initiated a student organization which has since become the outstanding honorary society of engineering students—Tau Beta Pi.

Unlike other honorary societies, Tau Beta Pi is strictly a student organization. All the chapter officers are undergraduates at their respective colleges.

The Parent Chapter existed alone until 1892, when the Alpha Chapter of Michigan was founded. The Columbia Chapter, Alpha of New York, was founded in 1902. Since then, Tau Beta Pi has grown until now there are 48 chapters and more than 13,000 members, with alumni associations in the larger cities.



The Team That Divided First Place With Yale

WRESTLING TEAM TIES WITH YALE FOR INTERCOLLEGiate HONORS

Entering the finals with only two points credited and qualifying only two men, our fighting wrestlers crashed through to tie with Yale at 14 points each for the 1927 team championship of the Eastern Intercollegiate Wrestling Association at Philadelphia on March 19. The meet was held in the University of Pennsylvania's new Palestra, and over two thousand enthusiastic fans were present. Lehigh had the largest and noisiest cheering section.

Although this was the twenty-seventh annual intercollegiate meet, it was the first time there was a tie for first place. Never before did the championship team score less than twenty points and never before was competition as close and spirited. Entering the finals the meet was anybody's with every college with the exception of Penn State and Princeton having a chance.

Captain Jimmy Reed, Lehigh's 125 pounder, won his second championship by taking the title in the 125 pound class. While Reed failed to gain a fall he piled up a time advantage of more than thirteen minutes on Walter Liggett, Penn State's hope. McGovern placed second in the 115 pound class and a third place went to Heilman, 145 pounds, Lehr, 175 pounds, and Littell, heavyweight.

Probably the most sensational bout in the entire meet was the very first in the preliminaries, in which Eddie McGovern met Capt. Kaiser, of Penn State, a veteran who entered the meet undefeated. McGovern came up from a defensive po-

sition when victory seemed certain for Kaiser and won the decision. However, the effort McGovern put into that bout probably cost him a championship. When he went to the mat against Okun, of Syracuse, in the semi-final the same evening, he was not the McGovern of the afternoon. Okun secured a leg hold and hung on with dogged determination to win the time decision. In a dual meet McGovern had defeated the same wrestler in a ten minute bout with a time advantage of 9 minutes, 32 seconds. Okun defeated Josephson, of Cornell, and McGovern took second place by winning a decision over Josephson.

Another thriller for the Lehigh rooters was the Reed-Liggett bout. The Lehigh captain was the more polished of the two and gave a display of his science when Liggett took him to the mat and fighting in from a defensive position. Reed rolled on top and remained there. Several times he had Liggett on the verge of a fall but the Penn State veteran bridged and resorted to every other defensive means in staving off defeat.

Heilman contributed to Lehigh's victory by throwing Broadhead, the Princeton entry, in a bout to qualify for third place. Heilman then lost to Dodd of Yale but added another point for third place.

Andy Lehr, Lehigh's 175 pounder, worked his way into the final where he was defeated by Sesit, veteran Columbia light-heavyweight. Lehr took the Columbia veteran to the floor and was on top in going off the mat. He lost

much of the effect of his hold when brought back and in a twinkling Sesis, with a leg lever, reversed the positions. Lehr finally fought his way to his feet but Sesis frustrated the determined efforts of the Lehigh entry to equalize the time advantage.

When the two last bouts on the program went to the mat Lehigh had a chance to win the meet, tie it, or at the worst, finish second by a margin of one point. Lehr took one mat with Stafford, of Cornell, while "Bill" Littell, went on for the place honors against Blunt, of Yale. Prior to this bout Littell had thrown Kendall of Penn. Lehr got in trouble early in his bout when Stafford locked his arms around the legs of the Lehigh entry and while he made no efforts to secure a fall hung on long enough to earn a decision. Littell carried the fight to Blunt and in going to the mat was on the offensive for a time. However, Blunt, resorting to every bit or strategy he knew, reversed positions and remained on top for the remainder of the bout. Blunt, realizing that a fall would earn a Yale victory, tried hard to throw Littell but could not. There was great cheering when time was called and the final numerals showed Lehigh tied with Yale for the honors.

Wrestlers' Banquet

Following his annual custom of banqueting the wrestlers at the end of the season, R. A. Lewis, of the Bethlehem Steel Company, was host to a party of forty at the Spring Valley Hotel. Needless to say, the grapplers broke training with gusto. Captain Reed was presented with a handsome watch by Mr. Lewis on behalf of his son, Dick, a former classmate and wrestler. The boys surprised Billy Sheridan with a brace of Dunhill pipes.

Varsity L's for wrestling have been awarded to the following: Reed, McGovern, Heilman, Long, Lehr, Keller, Littell, Guerrero and Manager Sinwell.

W. H. Heilman has been elected mat captain for 1928. Heilman wrestled 135 pounds this year and was favored for the championship in that division until he fell off a motorcycle a week before the Intercollegiates. Present prospects are for an equally strong team next year.

Sullivan, Lehigh's Tennis Star, Rated Third in U. S.

Neil Sullivan, Lehigh's tennis ace, is given third place in the intercollegiate tennis ranking, officially announced by the ranking committee recently. Since Numbers 1 and 2 are Chandler, of California, and Holman, of Stanford, Sullivan obviously rates first among the stars in the East.

Dr. Carothers, coach of the tennis team, has an exceptionally strong aggregation this spring and expects to make the tennis world sit up and take notice.

LEHIGH MEN IN THE LIMELIGHT

Quinn, '78, Heads Gas Commission

A photograph of Martha P. Quinn, '78, on the front page of the *Philadelphia Public Ledger* called our attention to an article telling of his appointment by Mayor Kendrick as Philadelphia's representative on the Municipal Gas Commission under the new lease of the Philadelphia Gas Works to the U. G. I. Co., which becomes effective next January.

Under the gas lease agreement, the commission will determine the price of gas, passing on any application of the U. G. I. Co. to increase its rate because of increased costs. Ratification of the commission's recommendation makes it binding on the company. The commission will have supervision over the operation of the gas works. To aid it in its work it has authority to appoint an expert in gas engineering to act as consultant.

Quinn is a retired manufacturer and is a director of several banking institutions and corporations.

Jacoby, '92, Elected President

William L. Jacoby, '92, was elected president, general manager and a director of the Kellogg Switchboard and Supply Co., of Chicago, on March 3. Jacoby leaves the vice-presidency of A. G. Becker & Co., of Chicago, to assume his new post. He is considered in Chicago financial circles as one of the best men in the manufacturing business. In fact he has been termed a "Manufacturing Wizard." After leaving Lehigh he was in the manufacturing business with the Latrobe Steel Company. He

organized the Inter-Ocean Steel Company, designed and built its plant and was its president up to the time of the sale of the property to the Railway Steel Spring Company. Later he was engaged in special engineering work for various outstanding individuals in the business world, and then became president of the Hewitt Motor Truck Co., and of the American District Telegraph Co. and its subsidiaries. He left the latter company to become associated with A. G. Becker & Co., Chicago, investment bankers. This connection brought him into intimate relation with many varieties of industries, including the presidency of an agricultural implement company, of an automobile manufacturing company and others.

Frick, '03, Heads Gas Company

John Arthur Frick, '03, has just been elevated to the presidency of the Allentown-Bethlehem Gas Company. After graduating, Frick worked for the Philadelphia Gas Works as a cadet engineer. In 1906 he left Philadelphia to take a position with the Consolidated Gas Company of Reading. In 1908, he went to Savannah, Ga., with the local gas company, coming to Allentown a year later as superintendent of the Allentown Gas Company. When the latter was combined with the Bethlehem Gas Company, Frick was made vice-president and general manager. He will, as president, continue also as general manager. The recent growth of the company's business and the extension of its services is attributed in a large measure to Frick's efforts.



1927 Basketball Team
Champions of Middle Atlantic States Conference



Coach Charlie Lattig, '03, Makes It Interesting

Charlie Lattig, the New Lacrosse Coach, Revises System of Play

Coach Charlie Lattig, '03, has been occupied for the past several weeks in instructing a squad of 50 candidates for both the Freshman and Varsity lacrosse teams in the fundamentals of the game. He has drastically changed the former system, which Bill O'Neil fostered last spring. Instead of the tiresome running game of previous years the stick-wielders will employ a short, quick passing attack with a series of systematic plays. Attack and defense candidates have been black-boarded.

Four teams have been arbitrarily chosen to include the whole squad, so that each candidate has been given an opportunity to show his skill with the stick. Four of last year's varsity comprise the nucleus of the squad, with a wealth of promising material fighting it out for the team.

Baseball Team Shaping Up Under Johnson

Coach Jing Johnson has been working hard with his squad of seventy baseball candidates and hopes to turn out a smooth nine. Workouts began on Lehigh Field, with the batteries receiving particular attention. Nevins, veteran catcher, is available again. Brady, Hesse, Roberts and Roe are candidates for the box.

R. O. T. C. Rifle Team Places for Intercollegiate Shoot

The Lehigh R. O. T. C. Rifle Team won fifth place in the Senior Unit Group in the Third Corps Area Intercollegiate Match which closed February 22, 1927, and has been reported to the Executive Board for the Promotion of Rifle Practice of the War Department for participation in the National Intercollegiate Team Matches to be held between March 16 and April 16.

Sub-Freshman Day, April 23

Arrangements for Sub-Freshman Day, when prospective students are entertained by the student-body, have been under way for some time, and a large attendance of high school boys is anticipated. A day on the campus is the best way to "sell" Lehigh to a boy who is trying to decide where to go to college. A full program of athletic events, a luncheon, a concert and dance, etc., have been arranged by the Sword and Crescent Society in co-operation with Cyanide, the Arcadia, and fraternities.

Alumni are urged to arrange for attendance of prospective students. Several Lehigh Clubs are planning automobile visits, bringing prospective students.

Muehlebach Hotel Added to the Intercollegiate Chain

The Muehlebach Hotel in Kansas City is the latest addition to the chain of Intercollegiate Alumni Hotels which now numbers forty-six, situated in nearly every important city in the country.



Coach "Jing" Johnson Looking Over Aspiring Babe Ruths

Spring Sports Schedules

Baseball

April 2—Princeton	Away
April 9—Muhlenberg	Home
April 11—Swarthmore	Away
April 12—Villanova	Away
April 13—Navy	Away
April 14—University of Maryland.....	Away
April 15—Drexel	Away
April 16—Army	Away
April 23—Rutgers	Home
April 27—Muhlenberg	Away
April 30—Franklin & Marshall.....	Home
May 5—Univ. of Pennsylvania....	Away
May 7—Dickinson	Home
May 11—William and Mary.....	Home
May 14—Lafayette	Home
May 18—Rutgers	Away
May 21—Lafayette	Away
June 10—Lafayette	Away

Lacrosse

April 9—Lafayette	Away
April 20—New York University.....	Home
April 23—Princeton	Away
April 30—Rutgers	Home
May 7—Stevens	Home
May 14—Navy	Away
May 21—Penn State	Home

Tennis

April 23—Navy	Away
April 26—Lafayette	Away
April 27—Rutgers	Away
April 30—Univ. of Pennsylvania....	Home
May 5—Dartmouth	Home
May 6—Washington and Lee.....	Home
May 7—Princeton	Away
May 11—Swarthmore	Home
May 13—Penn State	Home
May 14—New York University.....	Away
May 17—Harvard	Away
May 18—Yale	Away
May 21—Lafayette	Home

Track

April 23—Rutgers	Home
April 29—Penn Relays	Away
April 30—Penn Relays	Away
May 4—Swarthmore	Home
May 7—New York University.....	Away
May 14—Lafayette	Home
May 20, 21—Intercollegiates	Away



This picture suggests
the family resemblance
between the telephone
and the microphone.

The younger brother of the telephone —

THERE'S reason a-plenty for family resemblance between the telephone and the microphone, familiar symbol of radio.

Each is a gateway of sound. Through the telephone transmitter, your voice starts on its narrow path. So a radio voice first enters the microphone, later to spread far and wide to every tuned-in receiver. Or the orator's voice, in a Public Address System, passes through the microphone to a vast auditorium's remote corners.

But the "speaking likeness" doesn't end there. Back of microphone and telephone is the same engineering skill, the same care in making, the same great factory—the Western Electric telephone works.

It is quite natural, then, that you and countless millions should have come to depend for information and entertainment on the telephone's younger brother, the Western Electric microphone.



Western Electric

S I N C E 1 8 8 2 M A N U F A C T U R E R S F O R T H E B E L L S Y S T E M

“Dear Dad”

*Letters of a Lehigh Freshman
and His Lehigh Father*



Sunday.

Dear Dad:

It has been a peach of a day here today, just like Spring, and everything getting green. I guess you were playing golf all day, weren't you? Well, I kind of hate to go to bed tonight, so thought I'd write, as I've been so darn busy lately I guess you thought something was the matter. This morning we decided to clean up around the house, so everybody put on old clothes and we got a roller and some rakes and started to fix up the tennis court and the lawn. It was a lot of fun, as even the Seniors helped. They were superintendents and the Juniors were foremen and the Sophomores were timekeepers. We Frosh were the laborers. There were some old tires off somebody's flivver that had been out there all winter and Humpy Campbell drove some stakes in the ground and the upper classmen got to playing quoits with the tires. They wouldn't let us stop working, so we raked up some stones and Jim started a game of baby in the hat with a tennis ball. That's a darn good game when you've got a good crowd like ours. I socked Jim a corker right in the ear once and he says he can still hear a whistle. Well, we didn't quite finish all the work, but we sure got up an appetite. After dinner there were a bunch of people walking up the campus and we sat out and watched them and some girls went past, so we sort of got talking to them and Jim and I walked up to the Lookout with them. It was pretty nice up the mountain today, nice peppy weather and the trees all budding. Makes you feel like a million dollars.

Well, I guess you saw in the papers about us winning the intercollegiates? Of course, Yale tied us, but nobody paid much attention to that, as everybody talked about Lehigh winning the meet. I could have gone down on the train with the team, as Jimmie Reed asked me if I was going with them, which is as much as saying that I could if I wanted to. But Jim wanted to go too, so I decided to go down with him in a flivver. We got to Sellersville all right, but there is a big hill there and going down it I must have pushed on the brake too hard; anyway, the brake band burned

off and we went down about sixty miles an hour and couldn't stop, so we decided to leave the flivver there and a fellow in a Buick picked us up and took us right into Philly. There was a big gang of Lehigh men there and they most raised the roof when Eddie McGovern threw Kaiser, the Penn State 115-lb., who was supposed to be so hot. We thought sure Eddie was going to crash through, because he put it all over this Syracuse man in our meet with Syracuse, but he was too tired. Well, it didn't look so good Friday night, although, of course, Jimmie Reed was sure of the 125-lb. title. But, O Boy, on Saturday our fellows just naturally fought so nobody could stop them. Everybody went after a fall and I'll bet there never was such a fighting team. If they couldn't be first, they fought just as hard for second, and between the falls and the second and third places we came up to first. It sure was great.

Then we had a banquet out at a hotel in the country, where they put out the finest food I ever ate. Mr. Lewis, who is the father of a fellow named Dick Lewis, who wrestled last year and flunked out, gave the dinner and invited everybody on the squad. Say, Dad, he is some boy, Mr. Lewis I mean. You ought to have seen the grub—chicken and ham, soup, fresh strawberries, ice cream, pie, all kinds of vegetables and jam and stuff—it must have cost a young fortune. Sometime when you come up I'll take you out to that place. If I had a few meals like that I'd soon get in the heavyweight class. Well, there were a lot of fine speeches, being the best team Lehigh ever had and the first time we won the intercollegiates. The fellows gave Billy Sheridan a couple of nice pipes in a case. Believe me, he deserves something. I'd give him my shirt if he'd want it. Then Mr. Lewis told us about Dick being mighty sorry because he wasn't in college this year, but that he would be back to wrestle next year, and I guess Mr. Lewis was pretty sorry too, because he told us to be sure we got through our studies because that is the most important thing at college and you can't wrestle if you don't stay in. (You told me the same thing, but I never realized it so much

before.) Well, it seems that Dick Lewis told his father that if Jimmie won the championship he wanted to give him some kind of a little souvenir, so Mr. Lewis handed Jimmie this box and it was a platinum watch and chain! Gosh, that was great. It was the best banquet I ever went to.

Well, tomorrow we have drill all afternoon. I hope it's another nice day like today. It's not so bad when everything's getting green, and you have lots of pep. The Major is pretty decent about it, too, as he told us if we'd drill two extra afternoons he wouldn't have any after the inspection. Of course we agreed to that. I expect we'll get distinguished again, although some of the frosh are awful dumb. We march along Packer Avenue and count 1, 2, 3, 4, 1, 2, 3, 4 as loud as we can holler. It sounds like a cheering practice and the kids come out and gawk at us. Guess they think we're regular soldiers. It lasts till six o'clock and you get kind of tired lugging a rifle, but it's not so bad.

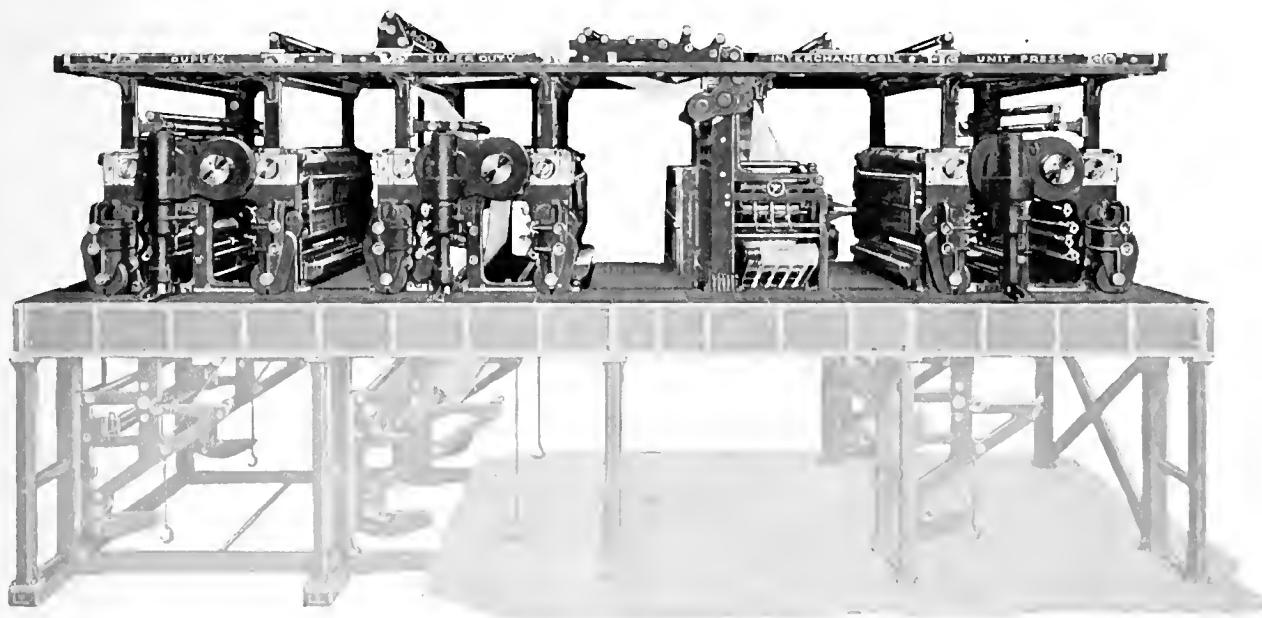
I gave up Mustard and Cheese as it seemed like a lot of work and it's too nice to stay indoors now. The coach is supposed to be pretty good, but he didn't pay any attention to me except he made some wise crack about my feet being too big to black bottom. So I decided to go out for lacrosse and I guess I'll get a black eye instead of the black bottom. (Joke.) It's a pretty good game. I don't suppose they played it in your time. Well, it's something like hockey, only you shoot a hard ball from a stick, something like a tennis racket and a shovel. It looks easy, but it isn't. The coach is a good scout; his name is Charlie Something. He asked me if I was your son and I asked him if he knew you and he said, "I'll say I do." It sounded like he remembered you pretty well.

Since writing this, I've been up in Hump's room in a bull session. He is writing an article for a new magazine they are getting up, called the *Lehigh Review*. He is supposed to write something highbrow as it's to be a serious paper, but he says the only thing he can think about is his girl and what a shame it is that it's Sunday and we can't go out to Schuster's and get some

The Duplex Printing Press Company

ESTABLISHED 1854

A NEW STANDARD OF EXCELLENCE IN METROPOLITAN NEWSPAPER PRESSES



DUPLEX PATENTED INTERCHANGEABLE UNIT SUPER DUTY SEXTUPLE PRESS

A FEW RECENT ORDERS

HACKENSACK, N.J.—BERGEN EVENING RECORD
STATEN ISLAND, N.Y.—ADVANCE
WINNIPEG, MANITOBA,—TRIBUNE
MUSKEGON, MICH.—CHRONICLE
AKRON, O.—BEACON-JOURNAL

THE ONLY COMPLETE LINE OF NEWSPAPER PRESSES OFFERED
TO THE PUBLISHERS TODAY

THE DUPLEX PRINTING PRESS COMPANY WORKS—BATTLE CREEK, MICHIGAN

— Office —

Sales and Stock Room
World Building
New York

Marcus M. Farley, '06
Secretary

beer a nice evening like this. Well, we got talking about Sub-Freshman Day, which is April 23, and we want to get a bunch of good next year's freshmen up to the house and get them lined up for next year. I'm going to get two of the fellows from school up if they'll come. There's going to be a lot of stuff going on. We'll have a lot of athletes here and if the Alumni would only come across with some scholarships we might get some of them next year. All the other colleges have plenty of scholarships and give a football player whatever he wants to come to college. I wonder why our Alumni don't wake up and get us some players?

Well, it's pretty late, although very nice. I guess Spring is here all right. Everything around here is starting to grow. If you see Mr. Smith, see if you can kind of hint around and find out whether he would let Janet come up to the house party and if you think he would, let me know if you could spare about twenty dollars extra this month. I hate to ask for any money, as I know it's costing you a lot, but it's only right for every fellow in the house to have a girl up and it's your duty to the chapter to have one if possible and I know you want me to be a good Gam.

Well, I will say good night, Dad, and hit the old hay. It sure is fine weather for sleeping. Love to all.

FRANK.

Dear Son:

I note you want me to hire a substitute to do your playing for you. Now my Dad used to tell me that drafted men during the Civil War used to hire substitutes to do their fighting but none of them ever bragged about it afterward. I imagine that if I took your advice neither of us would do much bragging either.

You don't know what I am talking about? Think back. Didn't you express a desire that the alumni (that's me) would get the college (that's you) some football players. And you more than hinted that the way to get them was to "give a football player whatever he wants." Now if I buy a football player to take your bumps and fight your battle on the gridiron would you also like someone to do your studying and take your place in the class-room? Perhaps you need someone to take your girl to that dance.

Now listen, son. Creating winning teams is your business, not mine. I can't do your playing for you. I did my playing when I was in college. We undergraduates created our own teams, took the credit when we won and the blame when we lost. If you fellows haven't gumption enough to do the same thing you had better stop playing. But I know you have. Witness the wrestling team about whose victory you are so properly enthused. Did any one hire Jimmy Reed to wrestle for Lehigh? You bet they didn't.

You are not to blame for the second-hand opinion you handed me. I am to

blame. I have had as much a part as any other alumnus in promoting the puerile, weak-kneed, spineless theory that the way to benefit your college is to buy someone to fight the battles for your bona-fide undergraduates. Putting this theory into practice does four things: First, it certainly does make winning teams; second, it fosters a high-grade hypocrisy; third, it creates cowardice because nothing so quickly promotes a broad yellow streak as letting a hired mercenary do your fighting for you; lastly, it teaches unfailingly that "anything is all right as long as you get away with it."

Now I am not interested in the ethics of the matter. I'm selfish. I've got a boy in college. What's forty victories or defeats to me compared with whether you come out of college a man or a mouse. A fine way to train a boy for a life-time of strenuous endeavor by carefully protecting him from fighting his own battles while in college!

Nothing doing! I'm hard-boiled. If a college can't teach you anything better than that then it's you for the working end of a shovel. That will teach you to lift your own weight. What makes me mad is that I had to wait until I got a boy in college before I saw what wishy-washy stuff was sousing around in my so-called brain. I knew what a college was for when I was at Lehigh. I know even better what it is for now that I have a son there. But for twenty years in between I acted and talked as though it was a second-rate athletic club.

Son, I'm not scolding you. I'm thanking you. Maybe you're not getting educated but I am. By the time you are a Senior I'll be ready for a Doctor's degree.

I liked that part of your letter about the dinner Mr. Lewis gave the wrestling team. I don't know the gentleman but I certainly would like to thank him for getting an idea into your head that I've been serving up to you in one form or another for years. I'll bet if the truth were known those dinners he gives each year have more to do with winning this year's championship than any single thing outside of Billy Sheridan's coaching.

I expect I won't know the frat. house when I next come over to see you. An afternoon's work like you described must make it look like another place. There are certainly several embryo "Captains of Industry" concealed in the collegiate garments garbing your upper classmen. The organization so perfectly imitated that of a modern factory. It showed one improvement over most up-to-the-minute plants. Instead of a conference the executives substituted a game of quoits. Many business organizations would find their efficiency greatly enhanced if this scheme was adopted.

Janet is coming! To prove it I enclose that extra twenty. I can't spare it but I expect to play golf with Mr. Smith Saturday and I figure that he is going to unwittingly share in the expense. He certainly is unless his game

improved while his wife was in Florida.

Your mother is worrying about the extra drilling the "army" is giving you. She seems to be afraid they are getting you ready to send to China. I tell her not to worry. Calvin Coolidge is a humane man and realizes that China has troubles enough as it is. If we only had a few reels of moving pictures of an old-fashioned Lehigh cane-rush and could exhibit them in China they would realize what pikers they are and call off their war.

Yours without a substitute,
DAD.

P.S. So you met some young ladies and walked them to the Lookout. "The way a man with a maid," Solomon observed was as hard to figure as the way of a "serpent on a rock." He didn't know the half of it. The way of Bethlehem college-widows with a Lehigh Freshman would make any "serpent on a rock" tie himself into a knot in jealous fury. Beware, Janet!

LEHIGH MEN WHO WRITE

S. S. Riegel, '97, who is mechanical engineer for the Delaware, Lackawanna and Western Railroad, is the author of an article appearing in the January 15 issue of *Railway Age* describing the purchase of twenty-five three cylinder locomotives by the D. L. & W. for freight service between Hoboken and Scranton. Data are given comparing the three types of locomotives now in use in the freight service of the D. L. & W.

J. S. Stanier, '23, contributes an interesting illustrated article on "Our Part in Building Transportation" to *Factory News* for January-February, 1927. This magazine is the house organ of the Yellow Truck and Coach Company. Stanier is with the West Penn Steel Company in Brackenridge, Pa.

R. W. Wieseman, '16, presented a paper on "Graphical Determination of Magnetic Fields" before the Winter Convention of the A. I. E. E. in New York on February 11.

Prof. Percy Hughes, Professor of Psychology and Philosophy at Lehigh, contributes an article entitled, "The Biotic Center of Psychology," to the February issue of the *Journal of Psychology*.

S. D. Warriner, '96, President of the Lehigh Coal and Navigation Co., is the author of an article appearing in the January 27 issue of *Coal Age*, entitled, "Anthracite Industry Rests Success for Future on Engineering and Merchandising."

Walter H. Cunningham, '03, contributes to the same issue of *Coal Age* an article predicting a campaign by Congress to establish regulation of the coal industry. Cunningham is Chairman of the National Coal Association's Committee on Government Relation.



Men Wanted

OVER the door of America's largest commercial and industrial organizations is a permanent legend—Men Wanted.

The modern business organization, realizing its surest and sanest method of progress rests in excellence of man power, places much emphasis on the selection of its personnel.

Thousands of men are drawn each year from the senior classes; in fact, the University is the American Man Market.

Ingersoll-Rand Company offers splendid opportunities to those interested in the research, manufacture, or sale of pneumatic machinery, internal combustion engines, pumps, and steam condensing plants.



Ingersoll-Rand
11 Broadway. New York City



PERSONALS

DEATHS

Henry W. Frauenthal, '86

Dr. Henry William Frauenthal, '86, noted orthopedic surgeon and founder of the Hospital for Joint Diseases, which he built up from a two-room clinic to the largest institution of the kind in the world, died March 11, in a fall from his bedroom window, on the seventh floor of 18 West Seventieth Street, New York City. According to his colleagues at the hospital, Dr. Frauenthal had been overworking and had been in a serious nervous condition for some time. He ceased performing operations about two years ago. The police were of the opinion that Dr. Frauenthal had left his bed to open the window for fresh air, lost his balance and tumbled over the sill, which was low. No one witnessed the fall. Mrs. Frauenthal has been seriously ill for some time and was out of town.

Dr. Frauenthal was born in Wilkes-Barre, Pa., the son of Samuel Frauenthal, a merchant. Graduating from high school there, he entered Lehigh where he received a degree in analytical chemistry in 1886, providing an unusual background for a surgeon. He played on the first football team at Lehigh.

After graduation he was analytical chemist with the Rossie Iron Ore Company of Spragueville, N. Y. During the winters he studied medicine at Bellevue Hospital Medical College. He received his M.D. degree in 1890 and in the same year became clinical assistant to Dr. Lewis A. Sayre, famed as an orthopedic surgeon. For eleven years he continued this association, then started his own private practice.

The beginning of the realization of his dream came in 1904, when he established a clinic at 558 Lexington Avenue, where he practiced his preaching that tubercular joint diseases should be treated with the same care as incipient tuberculosis. He introduced other medical innovations. His success drew the admiration and support of many friends and in 1906 he was able to expand his clinic. He took over a hospital building with dispensary and seven beds for patients. The first day, eight clinic patients were treated and at the end of the year 1,212 patients had received 9,471 treatments.

The work of the hospital and dispensary became so widely known that before the first six months had elapsed he added the building next door to his institution. The premises were enlarged and improved in 1908 and another building was added. With Dr.

Frauenthal as the guiding genius the hospital continued to grow, and in 1914 a new building was erected. More than 45,000 treatments were given during its first year, and the work of the hospital and dispensary has continued to expand.

In addition to his widow, Dr. Frauenthal is survived by three brothers, Isaac, Isidor and Hermann; two sisters, Carrie and Rose, and a daughter, Mrs. Natalie Mayer. Members of the family said the surgeon had visited the hospital regularly two hours each day despite his ill-health, which, they said, had been more pronounced during the last month.

Dr. Frauenthal was a Fellow of the American College of Surgeons, a member of the New York College of Medicine and other medical societies, a member of the Lambs Club, the Inwood Country Club, Rotary, Elks, and Mecca Temple.

Holden W. Chester, '89

Holden William Chester, of Carrollton, Pa., died recently. No details have been received. Chester was graduated in civil engineering and practiced his profession all his life. He was a life member of the Alumni Association.

MARRIAGES

Class of 1911

Henry H. Fithian to Miss Nellita Elizabeth Detwiler, of Detroit, Mich. Garnet Blockside, '06, was the best man. After a trip to Bermuda, Mr. and Mrs. Fithian will make their home in Bridgeton, N. J.

BIRTHS

Class of 1914

Born to Lt. and Mrs. Lewis Thornburg, of San Diego, Cal., a daughter, Susanne Easter, on March 13.

Class of 1920

Born to Mr. and Mrs. Marmaduke Wolfe, of Forest Hills, L. I., a daughter, Alison Miller, on January 28.

Class of 1921

Born to Mr. and Mrs. David C. Pfeiffer, of East Lynn, Mass., a daughter, Priscilla Ann, on March 27, 1927.

Class of 1922

Born to Mr. and Mrs. William L. Bowler, of Elizabeth, N. J., a son, William James, on February 1, 1927.

Class of 1925

Merrill S. Rorabaugh, who is working for his father in the electrical business near Pittsburgh, recently became the father of a baby boy.

Class of 1926

Born to Mr. and Mrs. James Reed Morris, 3rd, of Toledo, Ohio, a daughter, Elizabeth Deria, on February 22, 1927.

PERSONALS

Class of 1877

50-YEAR REUNION, JUNE 11, 1927

Class of 1878

Murtha P. Quinn has just been selected by Mayor Kendrick, of Philadelphia, as the city's representative on the City Gas Commission. Under the new lease of the Philadelphia Gas works to the United Gas Improvement Company, which becomes effective January 1, 1928, the commission of which Quinn is head will have supervision over the operation of the Gas Works and is empowered to require the company to keep it fully informed with plans for operation, improvement and extension. Quinn was a member of the Mayor's Commission that evolved the new lease. His interests are varied and extensive, as he is in the directorates of several banking institutions and corporations.

Class of 1882

45-YEAR REUNION, JUNE 11, 1927

Class of 1887

40-YEAR REUNION, JUNE 11, 1927

Frank Dravo was a welcome visitor to the Alumni office during March, having made a special trip to Bethlehem to look over the graduating engineers for men for his organization.

Class of 1889

W. S. Jones, formerly of Latrobe, Pa., advises that he has taken up his residence at 220 S. Fifth St., Reading, Pa.

Class of 1891

INFORMAL REUNION, JUNE 11, 1927

To the Members of '91:

Now comes Rafty, the "man from Missouri," who apparently has been "shown" the value of an informal reunion, for he writes to say he hopes to



*Great buildings all
over the nation have
Mississippi protection*

because great architects recognize the superiority of Mississippi Wire Glass as to quality and appearance.

For fire protection and clear vision
use the Standard Polished Wire
Glass.

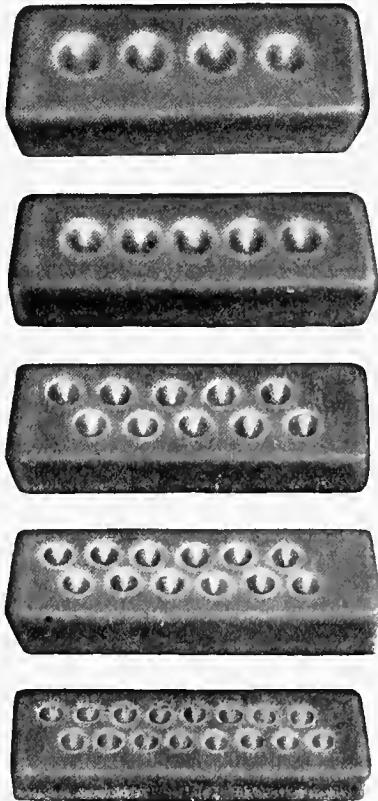
Specify “MISSISSIPPI”

The Recognized Standard in Wire Glass

MISSISSIPPI WIRE GLASS COMPANY
220 FIFTH AVENUE, NEW YORK
Chicago *St. Louis*

MISSISSIPPI WIRE GLASS

CHILLED IRON WIRE DRAWING DIES



Grinding plates, sand blast nozzles, pug mill blades, liner plates, tube mill trum-pets, rod and rolling mill guides, centrifugal pump liners, pipes for ash conveying systems, coal breaker troughs, etc. All made of "Mackite"; our hard, white, abrasion resisting iron, remarkable for its wearing capacity.

**McFarland Foundry
and Machine Co.**

TRENTON, N. J.

J. H. PENNINGTON, '97, Gen. Mgr.

sit in and he offers a policy of group insurance to any others who are lucky enough to be on hand and perchance to listen to the golden words of Edwin Lefevre as he talks about colonial glass or any other subject for which the S. E. P. gladly pays him so much per word. Who will be the next shy sister to be heard from?

WALTON FORSTALL,
Secretary.

C. J. Coll, of Los Angeles, Cal., calls attention to the change of his address to 247 N. New Hampshire Ave.

Class of 1892

35-YEAR REUNION, JUNE 11, 1927

Charles Case, President of the Class, who is in the grain business in Minneapolis, spent a couple of days in Bethlehem during the week of March 21, laying plans for the '92 reunion this June. Charley seemed to get quite a kick out of renewing his old associations in Bethlehem and we in the Alumni office got a great deal of pleasure out of his visit.

William I. Jacoby, formerly president of the A. G. Becker Co., of Chicago, was recently elected president and general manager of the Kellogg Switchboard and Supply Company, of Chicago.

Class of 1893

A. B. Sharp, of Steubenville, Ohio, stopped off at Lehigh last month on his way to Atlantic City. Being somewhat out of sorts, Sharp was headed for the seashore to rest up and it was mighty good to see him again.

Tom Symington spent a day on the campus last month, much to the pleasure of his numerous friends that had a chance to see him. Being in the railroad equipment business, he thought of Lehigh in connection with some important research work that he has under consideration.

Class of 1896

F. O. Dufour, professor of civil engineering at Lafayette College, was elected a director of the American Society of Civil Engineers at their recent elections.

Class of 1897

30-YEAR REUNION, JUNE 11, 1927

From present prospects it appears that there will be from thirty to thirty-five men who will return for the Thirty Year Reunion at Bethlehem in June. In working up reunion organization, the Committee has had definite replies from thirty-nine of the class members. The men who expect to return are the following: F. B. Bell, Clagett, Clinton, Diven, Dunnells, Fisher, Hale, Hannum, Livingston, MacNutt, Merriman, Pennington, Putnam, Reynolds, Saltzman, Sawtelle, Scott, Senior, Serrell, Shaeffer, Stewart, Straub, Van Duyne, White, Yates, Ruhe.

The ones who for one reason or other cannot return are the following: Ammen, Barton, Bowers, Brown, Elliott, Smith, Furtwangler, Griswold, Hiester, Johnson, Megraw, Tschudy, Seabrook.

It seems somewhat uncertain as to

whether Baldwin and Irwin can be there, but they are expected.

There are ten or a dozen men from whom the Committee has not as yet heard. The names of the greater number of these men who should be present are the following: Boyt, Brady, Lee, Mount, Nachod, Noerr, Riegel, Shuman, Treichler, Underwood, Yohn.

The Committee fully expects a turn-out that will cinch the Attendance Cup for '97. Moreover, '97 has 58 per cent. paid up members and is determined to beat the record made at the twenty-fifth re-

• NO • *I Am Busy*

WHY do you say
that when a life
insurance agent calls on
you?

It may be true, but
why are you busy? It
is largely because you
wish to make the future
secure for yourself and
your family.

But the John Hancock
agent wishes to do the
same thing for you. He
does not come to add to
your troubles but to lessen
them. He has for his
commodity the security
of your future.

Perhaps the next John
Hancock agent who calls
on you can answer some
of your problems. He
has the training and deals
in policies to fit the needs
of yourself and your busi-
ness.

Why Not See Him?

John Hancock
LIFE INSURANCE COMPANY
OF BOSTON, MASSACHUSETTS

A STRONG COMPANY, Over Sixty Years
in Business. Liberal as to Contract,
Safe and Secure in Every Way.

union and grab off the Active Membership Cup also. Put that in your pipe and smoke it, you less favored classes.

L. R. Lee, of Washington, D. C., who has been abroad, is expected to return this month.

Class of 1898

M. B. Buckman, Jr., who has been lost to the Alumni records for some time, has been located in Annapolis, Md.

Class of 1899

P. L. Reed, who is in the railroad supply business in Philadelphia, is now conducting his business from his residence, 4638 Walnut Street.

Class of 1902

25-YEAR REUNION, JUNE 11, 1927

W. S. Johns, Jr., who is division engineer with the Pennsylvania Railroad, was recently transferred from Uniontown, Pa., to Terre Haute, Ind.

Class of 1903

H. W. Eisenhart, of Pittsburgh, has moved to 1723 Wightman Street.

J. A. Frick, vice-president and general manager of the Allentown-Bethlehem Gas Company for 14 years, has been elevated to the presidency of the company. He will continue as general manager. Under Frick's direction the growth of the company and the extension of its service over a wide area have been remarkably rapid.

The attempt of the National Crime Commission to draft a proposed bill to be submitted to the Michigan legislature which would prevent the manufacture of machine guns and silencers in the state of Michigan recently called forth a protest from Brig. Gen. C. H. Ruggles. Ruggles objected that the proposal would hinder the manufacture of munitions in time of war and would also prevent manufacture of war implements for foreign countries and consequently might prevent the United States from buying from other countries when needed.

R. M. Skillman is located in Cleveland as a salesman in the Penton Building and is living at 1466 Lincoln Ave., Lakewood, Ohio.

Class of 1906

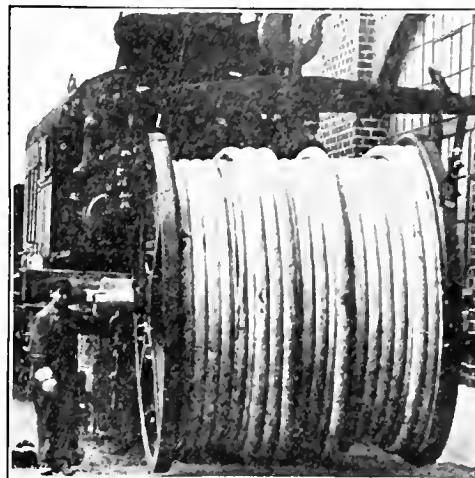
Marcus Farley, secretary of the Duplex Printing Press Company, of Battle Creek, Mich., was a welcome visitor to the campus during the week of March 21. He was well pleased with his first hand survey of the University and enthusiastic over the progress being made. Farley is making a splendid record with his company and feeling that the two progressive organizations in which he is vitally interested ought to be brought together for mutual benefit, he volunteered the new full page advertisement in the BULLETIN which appears for the first time in this issue on page 23. Look it over and if you know of anybody in the publishing business, do them a favor by referring them to Farley.

Class of 1907

20-YEAR REUNION, JUNE 11, 1927

Earle F. Johnson, of the General Motors Corporation, of Detroit, is to be married June 1 to Mrs. Mary Louise Tompkins, daughter of Mr. and Mrs. Charles McClure, of Detroit.

STANDARD
33,000-Volt,
Submarine
Cable in One
2,500-Foot
Length, Weight
27 Tons, made
for Union Elec-
tric Light &
Power Co., St.
Louis, Mo., for
Mississippi
River Crossing



WITH THE
COMPANY:
P. H. W. Smith,
'92
Vice-President
G. J. Shurts,
'12

FACILITIES for manufacturing cables of record-making size, such as illustrated, as well as the smallest wires, are at the service of our customers. In addition to wires and cables the STANDARD line includes Cable Terminals, Junction Boxes and other Cable Accessories.

Standard Underground Cable Co.

General Offices: Pittsburgh, Pa.

Branches in all principal cities

For Canada: Standard Underground Cable Co. of Canada Limited,
Hamilton, Ont.

J. S. ROBESON, '86

PENNINGTON, N. J.

Lignone
a smokeless odorless
Binder
for coal briquets

BRIQUET
ENGINEERING
MACHINES
BINDERS

Bethlehem Foundry & Machine Company

GENERAL FOUNDERS

and

MACHINISTS

BETHLEHEM, PENNA.

W. A. WILBUR, Hon. '20
Chairman of the Board

J. GEORGE LEHMAN, '96
President

ROBERT E. WILBUR, '04
1st Vice-President

I. E. KRAUSE,
Sec. and Treasurer

Fleck Bros. Co.

Manufacturers and Dealers

PLUMBING and HEATING SUPPLIES

For Every Type of Home and Building



Growing Great
Since '88

MOHICAN CLOSET OUTFITS,
SANITARY SPECIALTIES,
WEIL-McLAIN BOILERS, HEATING APPLIANCES,
RADIATORS, "PAWNEE" PIPELESS FURNACES,
WATER SUPPLY SYSTEMS, SEPTIC TANKS,
WROUGHT PIPE VALVES, SCREWED FITTINGS,
FACTORY EQUIPMENT

GENERAL OFFICES
AND DISPLAY ROOMS
50 N. FIFTH STREET
506 ARCH STREET
1645 N. AMERICAN STREET
WESTMORELAND AND
AGATE STREETS

PHILADELPHIA, PA.

JOHN G. FLECK, '90
Vice-Pres. and Gen. Mgr.

G. B. LA PISH, '19
Pur. Agt. Reading Br.

BRANCHES

Allentown, Pa.
Atlantic City, N. J.
Baltimore, Md.
Camden, N. J.
Easton, Pa.
Lancaster, Pa.
Lansdowne, Pa.
Macungie, Pa.
Norfolk, Va.
Pottstown, Pa.
Pottsville, Pa.
Reading, Pa.
Stroudsburg, Pa.
Williamsport, Pa.
Williamstown, N. J.

Class of 1908

J. L. Gressitt, who is with the Pennsylvania Railroad, has been transferred from Johnstown to Fort Wayne, where he is division engineer. His headquarters are at Clinton and Holman Sts. He is living at 4404 Beaver St., Fort Wayne.

Class of 1911

D. M. Flick, president of the Chicago Lehigh Club, who is with the Armour Soap Company in Chicago, was East on business during March and spent some time on the campus, visiting his old friends in the chemistry department and, of course, stopped in at the Alumni office. It so happened that Charley Case, '92, was in town the same day and so Flick and Case both attended a Tau Beta Pi shindig that happened to be scheduled that evening.

Class of 1912

15-YEAR REUNION, JUNE 11, 1927

WANTED—150 MEN!

Vacations start in June. Take a few days of yours with the rest of the class over Alumni Day. Samuels has arrangements made with the Hotel Bethlehem. Sultzler is looking after costumes, etc. Make up your mind to come, and write Irving Samuels, Hunsicker Bldg., Allentown, Pa., to that effect. Write Jack Hart, Mayfield, Pa., and give him your suggestions for entertainment, etc. Jack says, "The More the Better."

1912 REUNION COMMITTEE.

E. J. Burnell, who is with the Link Belt Company in Pittsburgh, calls attention to the fact that Lehigh has quite a delegation with his company. In addition to himself, there are Carl A. Woerwag, '10, sales engineer in the New York office, and Harold Pierce, chief engineer in Indianapolis.

V. B. Edwards, chief engineer of the Dravo Contracting Company, was on the campus last month with Frank Dravo, '87, on a quest for engineering graduates to fill up the Dravo organization. According to Edwards, the 1912 reunion is going to be the "knockoutest" reunion what ever was."

Franklin Hardcastle is with the New York Telephone Company, at 140 West Street, New York City, and lives in Westfield, N. J. He has been asked to speak to the graduating class at Westfield High School about Lehigh and is hoping to show some of the crowd that Lehigh is the place to go.

H. H. Otto calls attention to the change in his mailing address to 1805 Vine Street, Scranton, Pa. Make note of this, you fellows who want to write him concerning the Reunion.

Class of 1913

W. Clinton Fry, Jr., who was formerly connected with the New Jersey State Highway Commission, is now assistant engineer for the Port of New York Authority, with offices at 75 West St. He is living in Rahway, N. J., at 81 Pierpont Street.

Stanley R. Keith announces his withdrawal as vice-president and works manager of Hardite Metals, Inc., to assume the management of the Inert Metal Products, Inc., of Stuyvesant Falls, N. Y., with offices at 1 Pershing Square, N. Y.

Class of 1915

Johnny Hiss, formerly with the Truscon Steel Co., is now with the Ehret Roofing and Manufacturing Co., at 1130 S. Sharp St., Baltimore.

Class of 1916

Doc Bundy is the latest renegade from the ranks of mining engineers. He has gone to Winter Haven, Fla., to grow fruit.

Mike Sanford, of Portland, Ore., was east on business during March and spent several days in Bethlehem visiting with his old friends here and looking over the campus. It was his first trip East since 1916, but, believe it or not, he gave us enough Lehigh news to fill this page. Mining? No. Whoever heard of a mining engineer mining? Mike is in the wheat business. Summy Johnston is in it with him and they're doing fine.

Class of 1917

10-YEAR REUNION, JUNE 11, 1927

ALBUQUERQUE CIVIC COUNCIL
ALBUQUERQUE, N. MEX.

Dear Buck:

If there are any members of the class of 1917 existent, I wish you would tell them that the entire New Mexico Alumni Association of Lehigh University—which is me—will charter one special upper berth for the tenth reunion of Lehigh's greatest class, June 11. Is the date correct? I come by the Santa Fe and expect ovations all along the route.

KYLE CRICHTON.

Dear Kyle:

Yep. That's the date. And I'll guarantee at least one ovation. But where do you get that greatest class stuff? I'd say '17 was *next* to the greatest.

BUCK, '18.

Ren Hagglund protests that he is not receiving his BULLETIN. Investigation developed the fact that it has been going to his old residence in Huntington, L. I., instead of to his present home in Glen Head, L. I. He is working for Merritt, Chapman & Scott, 17 Battery Place, New York.

Freddy Portz is chairman of the finance committee of the board of education of Kearny, N. J. Recently he prepared a set of rules governing athletics at the Kearny High School and he makes no secret of the fact that they were largely copied from Lehigh athletic rules. Freddy is very active in the administration of athletics at the high school and hopes to send some of the excellent athletes produced at Kearny to Lehigh.

Class of 1918

Did you birds know that Dicky Donbs is Assistant Rector of St. Thomas' Church in New York? Mike Sanford told me about it the other day. It seems that Dicky runs a sort of a combination church, school, day-nursery, arts and crafts shop under the wing of St. Thomas', and from what Mike told me, it sounds mighty interesting.

Red Ely advises that he has moved from Elizabeth, N. J., and is making his home at 430 Locust St., Roselle, N. J.

Bill Gaslon has joined the editorial staff of the *American Machinist*, pub-

Pumping Machinery

Wilson-Snyder Manufacturing Co.

PITTSBURGH, PA.



H. D. WILSON, '01, President



E. T. MURPHY, '01
Vice-President
W. A. BORNEMANN, '17
Sales
S. P. EAGLETON, '26
Design

SALES OFFICES
New York Philadelphia
Boston Chicago
Cleveland
Kansas City
Los Angeles

Air Conditioning

Designs and installation of equipment to automatically create and control any desired conditions of Humidity, Temperature and Air Movement within buildings. Cooling and Dehumidification by Carrier Centrifugal Refrigeration.

Drying and Processing

Automatically controlled equipment for air drying, moistening and processing of manufactured and raw materials.

Specific Information on Request

Carrier Engineering Corporation

Offices and Laboratories
NEWARK, N. J.

ROBINS Material Handling Machinery

ROBINS STANDARD EQUIPMENT FOR EVERY MATERIAL HANDLING REQUIREMENT

Write for Catalog No. 65

ROBINS CONVEYING BELT COMPANY

—With the Company—

C. KEMBLE BALDWIN, '25
Vice-President

E. ROBINS MORGAN, '02
New York Office

15 PARK ROW, NEW YORK CITY

Chicago

Pittsburgh

Philadelphia

Boston

BETHLEHEM FABRICATORS

INCORPORATED



Warwick Apartment Hotel
54th St. and 6th Ave.,
New York City, N. Y.

R. P. Hutchinson, '04
J. H. Traeger, '03

**OFFICE AND WORKS
BETHLEHEM, PA.**

**STRUCTURAL STEEL
FABRICATORS
AND ERECTORS**

AGENTS

ALBANY, N. Y.
ALTOONA, PA.
BALTIMORE, MD.
BUFFALO, N. Y.
CLEVELAND, O.
DALLAS, TEXAS
HARTFORD, CONN.
HAZLETON, PA.
NEW YORK, N. Y.
PHILADELPHIA, PA.
SCRANTON, PA.
WASHINGTON, D. C.

G. M. Overfield, '14
F. L. Stephenson, '16

lished by the McGraw-Hill Co., Tenth Ave. and Thirty-sixth Sts., New York City. Bill and his bride are living at 46 N. Arlington Ave., East Orange, N. J.

Lloyd Jenkins moved from Penfield back to Philadelphia and is living at 5650 Arlington St.

D. H. Ketcham is field engineer for the Colonial Air Transport in Stelton, N. J.

Ray Stettler, who is with the Rectigraph Company, of Rochester, N. Y., manufacturers of photographic copying machines, is located in their Cleveland office at 627 Union Trust Bldg. Ray has been in Cleveland since last October, but we just heard about it recently.

Class of 1919

W. P. Amick, who has been selling for W. B. Conner Co., Inc., in Pittsburgh, has moved to Cleveland, where he is representing the Lunkenheimer Co. of Cincinnati.

Bill McKinley is with the Bankers Trust Company in New York. His address is 35 Perry St., New York City.

Pots Rohrer has set himself up in the building business in Washington, at 2007 R St., N. W.

Class of 1920

W. Dana Rudy is one of the firm of Rudy and Rudy, proprietors of the Chevrolet Sales and Service industry in Westminster, Md.

Dear Okey:

"VITAPHONE IS THRILLING THE WORLD." I'm getting so many of these Please Remit 24 Sheets that I decided to enclose my check. Anyway I was afraid to write without first quieting the wrath of the Lehigh fellows that are looking for my check. There is a catch in it. I'd like to get a copy of that book giving the names and addresses of Lehigh men, if you can dig one up for me. I would like to have this book sent to the New Bismarck Hotel here in Chicago. For future mail, I wish you would please change my mailing address to: 449 N. Twelfth St., Reading, Pa.

I just missed President Richards and Prof. Esty at the University of Minneapolis. I learned that they spent one whole day in the Electrical Building and they well could, for it would be hard to find a finer or better equipped or more up-to-the-minute building and staff than they have.

I just got into Chicago after spending some time in Fort Wayne, Ind.; Lincoln, Neb., and other points N., E., S. & W. I have been supervising the installation of Vitaphone in various theatres or inspecting the theatres prior to the installations.

The Chicago Lehigh Club attended a Vitaphone performance at the Woods Theatre in Chicago. Mr. Kern, the president, arranged for the gang and I arranged for tickets.

Yours sincerely,
WILLIAM H. SCHLASMAN.

Class of 1921

Harry Bailey writes from on board the Cunard Liner, Carinthia, that he and his bride expect to return to Pitts-

POST-AND-MCCORD
INCORPORATED
-STRUCTURES-
-ONE HUNDRED AND ONE
-PARK AVENUE-
-N.Y.-

SPECIALISTS
IN

Design and Construction

AUBREY WEYMOUTH, '94
Chief Engineer

burgh about May 10. They have been enjoying a trip around the world and are now touring Europe.

P. V. Comey sends notice of his change of residence to 2 Crescent Terrance, Bay Ridge, Brooklyn, N. Y.

R. T. Jones, Jr., who is with the Phoenix Utility Company, is located at present in Miami, Fla., and can be reached care P. O. Box 4911.

H. R. Maddox, who is division commercial engineer for the C. & P. Telephone Company of W. Va., in Charleston, is trying to dig up enough Lehigh men in southern West Virginia to organize a joint Lehigh-Lafayette Club. Unfortunately, most of the Lehigh men in West Virginia are in the northern part of the state, but Maddox is going on the principle that one Lehigh man for each three Lafayetters is a fair ratio.

T. B. Rights, formerly with the Foundation Company of New York City, is now working for E. L. Phillips & Co., of 50 Church St.

Brick Wilson spent a couple of days in town combining business with a visit with his parents. Brick is working for the Good Roads Company, Inc., of Upper Darby, Pa., and just landed for them the contract of surfacing and servicing the streets of Allentown.

Class of 1922

5-YEAR REUNION, JUNE 11, 1927

Bill Bailey, who is with the Eastern Steamship Lines, Inc., in Boston, Mass., has recently been made assistant engineer.

Brick Carpenter is still with Zonite Products Co. in their Brooklyn plant, which goes under the name of National Laboratories, Inc., and is now plant chemist in charge of manufacture.

Coley Craig, who is now happily married, moved up to Peekskill on the first of February and is chemist in one of the large Fleischmann Yeast Co. plants there.

P. O. Roberts, who graduated from Rutgers, is married and living in East Orange.

P. L. Terry, who has been with the N. J. Public Service Production Co., located in Newark, has transferred to the Electric Company of the same concern and is back in Hackensack, where he was formerly located.

Class of 1923

W. H. Cosh, formerly located in Philadelphia, is now in Buffalo and lives at 120 College St. The little notice we got of the change didn't mention what he is doing up there.

Dave Getz is practicing law in Allentown, at 211 S. 16th St.

Miller Laughton has quit the Diesel engine department of the Bethlehem Steel Corporation to become manager of the Marine Department for the Foamite-Childs Corporation.

Robert R. Maynes, formerly with the Victor Talking Machine Co., in Camden, has taken a job with the Hercules Powder Co., Delaware Trust Co. Bldg., Wilmington, Del. He is living in Kennett Square, Pa.

American Abrasive Metals Co.

(Founded by Wm. H. Sayre, '86)

50 CHURCH ST. NEW YORK CITY

FERALUN *Anti-Slip Treads*

[A patented combination of iron and abrasive grit]

To Prevent Slipping Accidents

Its peculiar properties make it the longest wearing, most efficient anti-slip material obtainable

For

Floor Plates	Car Steps and Platforms
Stair Treads and Landings	Elevator Door Thresholds
Door Saddles	Coal Hole Covers, Cover Plates, etc.

General Industrial Uses

Its extreme durability, when subjected to severe abrasive action makes it most useful and economical in a wide variety of fields.

Brake Shoes (Mtn. Motors)

Rabbit Blades

Pug Mill Paddles

Liner Plates, etc.

For Special Work—where Bronze or Aluminum is required

"BRONZALUN"

"ALUMALUN"

(The "Grit" Cast in Bronze)

(The "Grit" Cast in Aluminum)

Sole Representatives for United States and Canada for

"CARBORUNDUM ANTI-SLIP TILE"

H. S. EDMONDSON, '06, President

G. P. BARTHOLOMEW, '06, Vice-Pres.

WM. H. SAYRE, '21, Vice-Pres.

AUSTIN H. SAYRE, '24, Vice-Pres.

GEORGE C. HUTCHINSON, '21

District Representative

Farmers Bank Bldg., Pittsburgh, Pa.

CHARLES McGONIGLE, '01

OTHO POOLE

POOLE & McGONIGLE
ENGINEERS AND MANUFACTURERS
STRUCTURAL STEEL FOR BRIDGES, BUILDINGS, ETC.

PORTLAND - - - OREGON

POOLE-DEAN COMPANY

Incorporated 1911

STEEL CONTRACTORS
ERECTOR'S OF BRIDGES AND BUILDINGS

PORTLAND - - - OREGON

OTHO POOLE

CHARLES McGONIGLE, '01

THE R. G. JOHNSON COMPANY
CONTRACTORS AND ENGINEERS

SHAFTS, SLOPES
MINING CONSTRUCTION

Pittsburgh, Pa.

R. G. JOHNSON, '04, Pres.

C. H. DORSEY, '08, Treas.

**W. M. GOODWIN, Inc.****GENERAL INSURANCE****BETHLEHEM, PA.**

Allentown Easton Philadelphia New York

WILLIAM M. GOODWIN
PresidentRALPH V. SYMONS
SecretaryJ. ROSS O'NEILL, Spec. '27
Vice-Pres. & Treas.B. B. QUIRK, '13
Phila. Representative**NEW YORK SEWAGE DISPOSAL COMPANY**

5621 GRAND CENTRAL TERMINAL, NEW YORK

Engineers and Contractors

GEO. L. ROBINSON, '00, Pres.

BEN. E. COLE, '13, Secy.-Treas.

SAMUEL T. MITMAN, '19, Engineer

J. S. Stanier, who is assistant metallurgist with the West Penn Steel Company, in Brackenridge, Pa., contributes an article to the January-February issue of *Factory News*, published by the Yellow Truck and Steel Company, on "The Making of Steel for Yellow Bodies."

Bud Tilghman is living at 125 S. Burnett St., East Orange, N. J.

Class of 1924

Bill Ayers is practicing civil engineering with the firm of Halsey and Ayers, in Toms River, N. J. At present he is living in Seaside Park. Address, Box 238.

Hen Bonney, of Reading, Pa., gives his new address as 1016 Greenwich St.

Tom Craig is with the New Jersey Zinc Company, in Palmerton, Pa., trying to apply mechanical engineering to research on paint. What spare time he gets, Tom confesses, he devotes to near-golf.

Buddy Lingle, formerly star and coach of the basketball team, is assisting Jim Baldwin, also former coach, at Wake Forest College, North Carolina.

Fred Snyder, late of Harrisburg, Pa., is now located at 16 Stephenson Court, Charleston, W. Va.

Bill Wooldridge stopped in the Alumni office on March 7 and advises that he has left Pittsburgh and will hereafter be attached to the New York office of the National Tube Co., 71 Broadway, as metallurgical engineer.

Class of 1925

C. C. Ayres, Jr., is back in Schenectady, after three months in the West Philadelphia plant of the G. E. Co., with whom he is a cadet engineer.

William R. Forsyth is assistant civil engineer with the New Jersey State Highway Department. At present he is located at Freehold, N. J., and can be reached at 9 Lafayette St. His permanent home address is 41 Comstock St., New Brunswick, N. J.

Art King is cadet engineer for the public service electric and gas company of 80 Park Place, Newark, N. J. He is living at 657 N. Broad St., Elizabeth, N. J.

Nate Levin is working at the United States Patent office in Washington and studying law at George Washington University.

Murray Metten has effectively taken root in Asheville, N. C. His latest enterprise is an association with the *Asheville Citizen*, the daily newspaper. Inasmuch as Murray's father is a veteran newspaperman, this might be interpreted as a reversion to type. (Aside to printer. That's a deep one—maybe you'd better put "type" in italics.)

Arthur C. Palmer writes that he is leaving Philadelphia and will be located at the Y. M. C. A. in Reading, Pa., hereafter.

Class of 1926

ONE-YEAR REUNION, JUNE 11, 1927

E. W. Andrew is working in the open hearth department of the Bethlehem Steel Company, in Bethlehem, and living at 1107 Newton Ave.

Joe Bachman is salesman and distributor for the Edison Lamp Division of the General Electric Company in Richmond, Va. His headquarters are at 4th and Canal Sts.

Rong Binai is located at 553 W. Lemon St., Lancaster, Pa.

John H. Craig is with the New Jersey Zinc Company, at Palmerton, Pa., and is trying to make spectroscopically pure zinc.

Edgar M. Faga is now employed by the Beneficial Loan Society, of Easton. He lives at home with his parents, at 317 W. Broad St., Bethlehem.

Alvin L. Henry, who was graduated in February, is working with the New York Telephone Company, at New York City. He lives with his parents at Flemington, N. J., and commutes.

Howard Hess, of Hellertown, has accepted a position with Merritt F. Judd and Company, prominent realtors, in Bethlehem.

Jack Olwine was married recently, although he hasn't given us the particulars. He expects to live in East Orange. Jack is with the Chase National Bank, at 61 Broadway, New York City.

W. B. Rodgers is with the Rodgers Sand Company, located at the corner of Wood and Water Sts., Pittsburgh. He lives in Allison Park, Pa.

Ken Sheppard writes from Washington to advise that his new address is 2734 Woodley Place, Washington, D. C.

Bill Widdowfield is taking the cadet

engineering course with the Public Service Gas and Electric Company of Newark. He is located at present at the Essex Power Station and is living at 65 Halsted St., East Orange, N. J.

A TRIP TO SOME PROMINENT EASTERN COLLEGES

(Continued from page 13)

evening, the Lehigh visitors were entertained at dinner in Purdue's new Union Building by President E. C. Elliott and Dean Potter, the staffs of the mechanical and electrical engineering departments, the heads of other departments and several of Purdue's Board of Trustees. The conversation turned to a discussion of the general purposes and methods of higher education and brought forth an illuminating exchange of ideas. Mr. Ross, one of the Purdue trustees, who is president of the Ross Steering Gear Company, offered several original and intriguing ideas in connection with the new Packard Laboratory, one of which was the suggestion that we attempt to rent the equipment needed for it rather than buy it, thereby making it possible to keep the apparatus up to date with no greater expense than that represented by the depreciation and obsolescence of expensive machinery purchased outright. He also urged the educators to strengthen their contacts with the owners and di-

rectors of industrial concerns in order to find out what is expected of college graduates and what the industries are doing with them.

The visit to the University of Cincinnati on the following day meant, of course, primarily a visit with Dean Herman Schneider, '94, whose plan of co-operative education as executed at Cincinnati has won him national distinction. Schneider's ideas are always original and his aggressiveness assures their execution. At present, he is developing a plan whereby the city of Cincinnati and the University will cooperate in the various projects for development of the natural resources of the region. In addition, he is working out his theory that art has an important place in industry and showed the visitors some remarkable examples of how the product of an industry can be made more marketable by making it more attractive artistically. Dean Schneider entertained our party at luncheon at the Faculty Club.

Taking a sleeper to Pittsburgh landed

Let Solid Kumfort Folding Chairs Save Investment and Replacement!

1. You can equip your auditorium—and use the same chairs for your banquet halls, dining room, on the stage, etc.
2. Fasten them together in sections if desired. Many can be put in place or removed very quickly.
3. Fold flat, stack flat and many can be stored in small space.
4. Noiseless, can't pinch the fingers or tear daintiest clothes. Seat raises up to permit easy passage between rows.
5. Quality look—beauty of design, beauty of finish, upholstery, strength, comfort—make rooms more attractive.
6. Durable—outlast four ordinary folding chairs. Eliminate repairs or replacements. Ask for names of big users. Cornell University recently ordered.

Write for Sample and Prices Now!

Louis Rastetter & Sons 1323 Wall Street Fort Wayne, Indiana



SOLID KUMFORT

Play PO-NO "The King of Sports"

A real Racing game played with specially devised Cards

A "sure-shot" for amusement — A "tornado" of action and thrills

Plenty of "pep."
Unlimited variety.
Interest never ceases.
For adults principally.

Fifty Dollars worth of fun for 50c

At dealers or by mail.

SPORTS GAME CO.,
479 S. Ludlow St., Columbus, Ohio

A First Cousin
of Ya-Lo



SPORTS GAME CO.,
479 S. Ludlow St., Columbus, Ohio.

Enclosed find 50c, for which please send Postpaid one set of PO-NO, the Racing Game, with understanding that I may return it if not satisfied, and my money will be refunded.

Blast Furnace Slag

CRUSHED and SCREENED
— SIZES FOR ALL PURPOSES —

Also Granulated Slag and Ashes

PLANTS

DUQUESNE, PA.	POTTSSTOWN, PA.	WHARTON, N. J.
DUNBAR, PA.	COATESVILLE, PA.	TEMPLE, PA.
CATASAUQUA, PA.	BIRDSBORO, PA.	EASTON, PA.

DUQUESNE SLAG PRODUCTS CO.

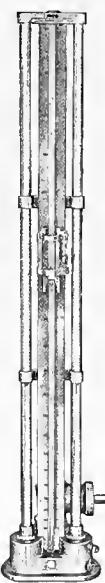
Main Office Diamond Bank Bldg. PITTSBURGH, PA.	District Sales Office 425 Commercial Trust Bldg. PHILADELPHIA, PA.	Dist. Sales Office 34 W. Blackwell St. DOVER, N. J.
--	--	---

the investigators on the morning of March 11. Dean Mott, of the Engineering School of Carnegie Institute of Technology, and Professor Trinks, head of the Mechanical Engineering Department, conducted them through the mechanical and electrical laboratories at Carnegie in the morning. At luncheon they were entertained by President Baker at the Pittsburgh Athletic Club. That afternoon, through the courtesy of President Baker, the party was provided with cars which conducted them for a brief inspection of the United States Bureau of Mines Station and returned them to the Schenley Hotel where Ed Stotz, '20, Secretary of the Pittsburgh Lehigh Club, was waiting to take them on a sight-seeing trip around the "Smoky City." In the evening, the Pittsburgh Lehigh Club turned out in full force for an enthusiastic Lehigh meeting, which is reported in detail elsewhere in this issue.

It is needless to say that the trip was as enlightening as it was enjoyable. Each man felt that he had established lasting and valuable contact with confreres at other institutions and each returned with a more definite conception of the things that should not be done as well as those which may well be done in an ideal laboratory. Now begins the job of creating it, and we may look forward to the time when it will be our privilege to invite our erstwhile hosts to inspect the James Ward Packard Laboratory.

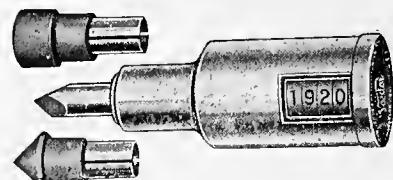
TACHOMETERS

PRODUCTION AND SPEED COUNTERS



Products: CYCLOMETERS FOR BICYCLES AND MOTORCYCLES, TO RECORD DISTANCE TRAVELED; ODOMETERS FOR MOTOR TRUCKS, TO REGISTER MILEAGE; COUNTERS FOR RECORDING THE PRODUCTION OF MACHINES; SPEED COUNTERS FOR COUNTING REVOLUTIONS OF SHAFTS OR FLYWHEELS; TACHOMETERS FOR INDICATING IN REVOLUTIONS - PER - MINUTE THE SPEED OF MOTORS, PRIME MOVERS, GENERATORS OR ANY REVOLVING PART. ALSO FINE DIE CASTINGS REQUIRING ACCURACY AND UNIFORMITY OF SIZE.

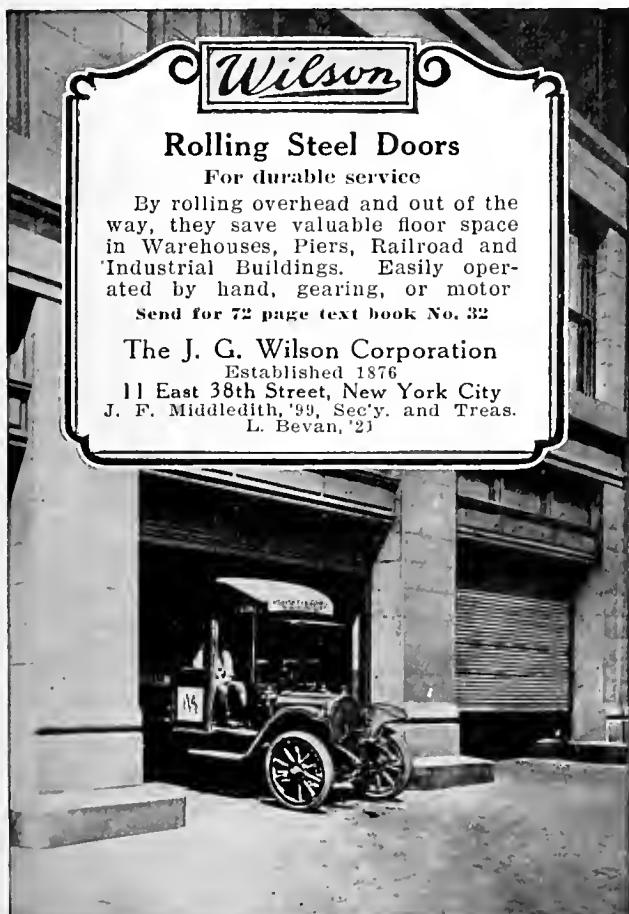
Write for copy of the
Veeder Counter booklet



The No. 21 SPEED COUNTER shown above registers number of revolutions (per minute) of a motor, engine, dynamo, line shafting, machine spindle or any revolving part. The point is held against the end of the revolving shaft; the instrument pressed lightly when count is commenced; pressure released when the timing is over. Push-clutch starts or stops recording mechanism instantly, giving exact R. P. M. readings without use of stopwatch. Price \$3.50.

THE VEEDER MFG. COMPANY
 20 Sargeant Street, Hartford, Conn.

C. H. VEEDER, '86
 President



ESTABLISHED 1857

INCORPORATED 1906

T. B. WOOD'S SONS COMPANY

CHAMBERSBURG, PA.

Power Transmission Machinery
Flexible Couplings
Belt Conveyors
and Short Center Belt Drives

CHAS. O. WOOD, '92 T. B. WOOD, '98 G. H. WOOD, '99

FORT PITT BRIDGE WORKS

OF PITTSBURGH, PA.

BRIDGES, BUILDINGS STRUCTURAL STEEL

General Office,
20th Floor, Oliver Building, Pittsburgh

New York Office, 15 Park Row

Chicago Office, Ashland Block

Cleveland Office, Bulkley Building

Purchasing Dept. and Works, Canonsburg

T. A. STRAUB, '90, President

H. R. BLICKLE, '93, Vice-President

SCHUYLER B. KNOX, '93, Manager N. Y. Office

E. K. ADAMS, '16, Contr. Engineer

P. B. STRAUB, '97, Secretary and Treasurer

A. SHELDON, '93, Asst. Chief Engineer

N. G. SMITH, '06, Engr. Contr. Dept.

ROOSEVELT
New YorkMOUNT ROYAL
MontrealRADISSON
MinneapolisSENECA
RochesterBLACKSTONE
ChicagoO'HENRY
Greensboro, N. C.PERE MARQUETTE
PeoriaWILLARD
WashingtonCORONADO
St. LouisOAKLAND
Oakland, Calif.WOLFORD
Danville, Ill.NEIL HOUSE
ColumbusCLAREMONT
Berkeley, Calif.URBANA-LINCOLN
Urbana, Ill.SCHENLEY
PittsburghCALIFORNIAN
FresnoSAINT PAUL
St. PaulMULTNOMAH
Portland, Ore.PALACE
San FranciscoPONCE DE LEON
MiamiFRANCIS MARION
Charleston, S. C.

MAIN FEATURES OF THE INTERCOLLEGiate ALUMNI HOTEL MOVEMENT

Interested alumni can secure from a clerk at the desk of each Intercollegiate Alumni Hotel an information leaflet which describes in detail the Intercollegiate Alumni Hotel movement.

At each Intercollegiate Alumni Hotel there will be maintained a card index of the names of all the resident alumni of all the participating institutions. This will be of especial benefit to traveling alumni in locating classmates and friends.

The current issues of the alumni publications of all the participating institutions will be on file at each Intercollegiate Alumni Hotel.

Reservation cards will be available at the clerk's desk in each designated hotel and at the alumni office in each college or university. These reservation cards will serve as a great convenience to travellers in securing advance accommodations.

The managers of all Intercollegiate Alumni Hotels are prepared to cooperate with individual alumni to the fullest extent and are also prepared to assist in the creation of new local alumni associations and in the development and extension of the activities of those already formed.

GEORGE VANDERBILT
Asheville, N. C.ST. JAMES
San DiegoWALDORF-ASTORIA
New YorkONONDAGA
SyracuseWOLVERINE
DetroitBILTMORE
Los AngelesBENJAMIN FRANKLIN
PhiladelphiaCOPEY PLAZA
BostonLINCOLN
Lincoln, Neb.WINDERMERE
ChicagoOLYMPIC
SeattleSCHENLEY
PittsburghPARK
MadisonSOUTHERN
Baltimore

THE PARTICIPATING COLLEGES:

The alumni organizations of the following colleges and universities are participants in the Intercollegiate Alumni Hotel movement:

Akron	Goucher	New York University	Stevens Institute
Alabama	Harvard	North Carolina	Texas A. and M.
Amherst	Illinois	North Dakota	Texas
Bates	Indiana	Northwestern	Union
Beloit	Iowa State College	Oberlin	Vanderbilt
Brown	James Milliken	Occidental	Vassar
Bucknell	Kansas Teachers' Coll.	Ohio State	Vermont
Bryn Mawr	Kansas	Ohio Wesleyan	Virginia
California	Lake Erie	Oklahoma	Washington and Lee
Carnegie Institute	Lehigh	Oregon	Washington State
Case School	Louisiana	Oregon State	Washington
Chicago	Maine	Penn State	Wellesley
City College New York	M. I. T.	Pennsylvania	Wesleyan College
Colgate	Michigan State	Purdue	Wesleyan University
Colorado School Mines	Michigan	Radcliffe	Western Reserve
Colorado	Mills	Rollins	Whitman
Columbia	Minnesota	Rutgers	Williams
Cornell	Missouri	Smith	Wisconsin
Cumberland	Montana	South Dakota	Wooster
Emory	Mount Holyoke	Southern California	Worcester Poly. Inst.
Georgia	Nebraska	Stanford	Yale

INTERCOLLEGiate ALUMNI HOTELS:

Roosevelt, New York	Onondaga, Syracuse	Schenley, Pittsburgh
Waldorf-Astoria, New York	Sinton, Cincinnati	Wolford, Danville, Ill.
University Center,* New York	Wolverine, Detroit	Neil House, Columbus
Copley-Plaza, Boston	Multnomah, Portland, Ore.	Pere Marquette, Peoria
University Center,* Boston	Sacramento, Sacramento	Southern, Baltimore
Blackstone, Chicago	Californian, Fresno	St. James, San Diego
Windermere, Chicago	Lincoln, Lincoln, Nebr.	Park, Madison
University Center,* Chicago	Oakland, Oakland, Cal.	O'Henry, Greensboro, N. C.
Benjamin Franklin, Philadelphia	Lycoming, Williamsport, Pa.	Sheraton, High Point, N. C.
Willard, Washington	Mount Royal, Montreal	Charlotte, Charlotte, N. C.
Radisson, Minneapolis	King Edward, Toronto	George Vanderbilt, Asheville
Biltmore, Los Angeles	Coronado, St. Louis	N. C.
Palace, San Francisco	Bethlehem, Bethlehem, Pa.	Francis Marion, Charleston,
Olympic, Seattle	Urbana-Lincoln, Urbana, Ill	S. C.
Seneca, Rochester	Saint Paul, St. Paul	Ponce de Leon, Miami
Claremont, Berkeley	Savannah, Savannah, Ga.	

*To be built in 1926-27

CHARLOTTE
Charlotte, N. C.SHERATON
High Point, N. C.SINTON
CincinnatiKING EDWARD
TorontoBILTMORE
Bethlehem, Pa.LYCOMING
Williamsport, Pa.SOUTHERN
Baltimore

THE PHOENIX IRON CO.

Manufacturers of Open Hearth

STRUCTURAL STEEL SHAPES

Works:

PHOENIXVILLE, PA.

Main Office:

PHILADELPHIA, PA.

OFFICES:

22 S. 15th Street, Philadelphia

110 State St., Boston, Mass.

30 Church Street, New York City

City Savings Bank Bldg., Albany, N. Y.

Munsey Building, Washington, D. C.

THE PHOENIX BRIDGE CO.

Engineers and Builders of

BRIDGES AND OTHER STRUCTURES OF STEEL

Bridge Works, PHOENIXVILLE, PA.

Established 1790

Capacity, 60,000 Tons per Annum

W. R. HALL, '02, ASST. ENGR., BRIDGE DEPT.

W. H. ELLIS, '09, ASST. ENGR., ERECTION DEPT.

W. E. STURGES, '10, RES. ENGR., WASHINGTON OFFICE

PROFESSIONAL CARDS

New York City 15 Park Row
FORSTALL, ROBISON AND LUQUEER
 Consulting Engineers
 Public Utilities Problems
 Alfred E. Forstall, '83
 Robert O. Luqueer

New York City 15 Park Row
CLARENCE W. HUDSON, '89
 Consulting Engineer
 Designs, Supervision, Estimates,
 Reports on All Classes of Structures

New York City 51 East 42nd St.
VISSCHER & BURLEY
 Architects
 T. C. Visscher, '99 J. L. Burley, '94

St. Louis, Mo. 211 South Seventh St.
ROBERT W. BARRELL, '87
 President
 St. Louis Sampling & Testing Works, Inc.
 Chemists, Metallurgists and Mining Engineers
 All kinds of chemical analyses, investigations
 of chemical and metallurgical processes,
 examinations of mining properties.
 Over 35 years experience.

ALEXANDER POTTER, '90
 Consulting Engineer
 Hydraulics, Sanitation, Concrete
 Structures
 50 Church St., Tel.: 5501 Cortland
 New York City

New York City 256 Broadway
AMOS H. CLAUDE, C.E., '04
 Attorney and Counsellor at Law
 Real Estate Law and General Practice

Philadelphia 112 N. Broad Street
J. W. LEDOUX, '87
 CONSULTING ENGINEER
 Water Works, Water Power, Reports,
 Designs, Construction, Supervision,
 Valuation, Arbitration, Rate
 Schedules

WILLIAM RUSSELL DAVIS, '92
 Consulting Engineer
 BRIDGES
 103 Washington Ave.,
 Albany, N. Y. Tel.: Main 3835

WRITE FOR

Wm. Wirt Mills, '87
MILLS & DORTHY
 Lowe Bros. Paints and Varnishes
 30 Church St.,
 New York City Tel.: 0824 Cortland

Pittsburgh 1st National Bank Bldg.
GEORGE S. BATON & CO.
 Consulting Engineers
 Reports on Coal Properties
 Geo. S. Baton, '94

PROFESSIONAL CARD RATES

“CAR FOUNDRY”

MINE CARS AND MINE EQUIPMENT

The operation of mine cars is a substantial item in the cost of mining. It is worth while, therefore, that mining executives make a careful study of this subject, with a view to selecting cars that will serve their purpose most economically. Every mine has its own peculiarities. A type of car that performs wonderfully in one locality may be entirely unsuitable in another. A very small detail in design can make a big difference in the cost of operation.

“Car Foundry” keeps in close touch with modern methods of mining. Its engineers, in cooperation with mining operators, have devoted much thought to scientific design and construction of mine cars. Features have been developed to save power, help to eliminate delays, and make the cars cost less and last

longer. Some constructions also reduce the total number of cars needed for a given output.

“Car Foundry” has mine car shops at Berwick, Pa., Terre Haute, Ind., and Huntington, W. Va., in order to serve the various coal fields quickly and economically. Convenience of location also facilitates personal contact when desirable between the Company’s engineers and mine executives in the field.

In addition to mine cars of all types, heights, lengths, widths, and capacities—steel, wood, or combination—also automatic drop bottom cars and two-truck ten-ton or larger cars for long hauls—“Car Foundry” makes a complete line of car parts and equipment, including chilled iron wheels, standard and special designs, for all types of mine equipment.

Inquiries are invited concerning mine cars and accessories.
Our engineers are glad to be of service. Do not hesitate
to call upon us for any information that we can supply.

American Car and Foundry Company

Executive Offices, 30 Church Street, New York

WILLIAM CARTER DICKERMAN, '96
Vice-President in Charge of Operation

HASELL WILSON BALDWIN, '96
Assistant District Manager Buffalo District

BETHLEHEM STEEL COMPANY

PLANTS AT

Bethlehem, Lebanon, Steelton, Johnstown,
and Coatesville, Pennsylvania
Sparrow's Point, Maryland
Lackawanna, New York

General Offices: BETHLEHEM, PA.

DISTRICT OFFICES:

New York, Boston, Philadelphia,
Baltimore, Atlanta, Washington, Pittsburgh, Cleveland,
Buffalo, Detroit, Cincinnati, Chicago, Seattle,
Los Angeles, St. Louis, San Francisco,
Portland

E. G. GRACE, '99	<i>President</i>
C. A. BUCK, '87	<i>Vice-President</i>
H. E. LEWIS	<i>Vice-President</i>
QUINCY BENT	<i>Vice-President</i>
R. E. McMATH	<i>Secretary</i>
W. F. HARTMANN	<i>Treasurer</i>
F. A. SHICK	<i>Comptroller</i>